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RESEARCH MEMORANDUM

A COMPILATION OF THE PRESSURES MEASURED ON A WING

AND AILERON WITH VARIOUS AMOUNTS OF SWEEP

IN THE LANGLEY 8-FOOT HIGH-SPEED TUNNEL

By

Richard T. Whitcomb

Langley Memorial Aeronautical Laboratory
Langley Field, Va.

NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS
WASHINGTON

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SUMMARY

A compilation is made in tabular form of all the pressures measured on a thin high-aspect-ratio wing and aileron with no sweep and with 30° and 45° of sweepback and sweepforward at high subsonic Mach numbers in the Langley 8-foot high-speed tunnel.

INTRODUCTION

Very little detailed information as to the aerodynamic loads on swept wings at high subsonic speeds has been available until very recently. In order to obtain some information on such loads, as well as to develop a more complete understanding of the flow around swept wings in this speed range, extensive pressure measurements have been made on the surface of a thin high-aspect-ratio wing with no sweep and with 30° and 45° of sweepback and sweepforward and several aileron deflections in conjunction with a slender midwing fuselage in the Langley 8-foot high-speed tunnel.

From the pressure data obtained, normal-force, pitching-moment, bending-moment, and twisting-moment coefficients, spanwise variations of load and twisting moment, and ratios of the normal-force coefficients for the fuselage to those for the wing have been determined. These results are presented in references 1 and 2. The analyses presented in the references, being limited in extent, did not require reference to the large amount of detailed pressure data obtained during the investigation and none of these data are included in those reports. However, such data is useful in the prediction of the local aerodynamic loads on configurations similar to those investigated at high subsonic Mach numbers. Therefore, the pressure data that were measured on the wing during this investigation at all conditions for which over-all characteristics are given in references 1 and 2 are presented in tabular form herein. As in the case of the over-all characteristics, the data have not been corrected for the small tunnel-wall interference effects and only the results relatively free of wind-tunnel choking effects have been included. No attempt has been made to analyze any of the data presented.

SYMBOLS

The symbols used are defined as follows:

Λ sweep angle between line perpendicular to plane of symmetry and quarter-chord line of unswept wing, positive for sweepback, negative for sweepforward

δ_{a_n} nominal aileron deflection, measured in plane perpendicular to aileron hinge axis; positive for down deflection

α geometric angle of attack

P pressure coefficient $\left(\dfrac{p - p_0}{\dfrac{1}{2}\rho V^2}\right)$

p local static pressure

p_0 static pressure in stream

ρ mass density of stream

V velocity of stream

APPARATUS

For the unswept condition the wing model has an NACA 65-210 airfoil section, no twist or dihedral, and exclusive of the fuselage, an aspect ratio of 9.0, and a taper ratio (root chord/tip chord) of 2.5. The 20-percent-chord straight-sided, plain aileron extends from the 60-percent-semispan station to the end of the straight part of the trailing edge as shown in figure 1. Approximately 20 static pressure orifices were placed at each of 8 stations along the semispan in lines perpendicular to the quarter-chord line of the unswept wing as shown in figure 1.

The model was supported in the tunnel by means of a vertical steel plate as described in reference 1. Swept configurations were obtained by rotating the model with respect to the support plate. Revised tips were added for each sweep. Plan forms of the wing outboard of the fuselage with the various amounts of sweep are presented in figure 1. The aspect ratios of the wings outboard of the fuselage are 8.5, 7.0, 4.7, 6.3, and 4.1 for $0°$, $30°$, $45°$, $-30°$, and $-45°$ of sweep, respectively. Other

dimensions for the various wing configurations and the dimensions of the fuselage are presented in reference 1.

RESULTS

All the pressures measured on the wing for the geometric conditions tabulated in the index preceding the table are presented in pressure coefficient form in tables 1 to 78. Each table presents the pressure coefficients obtained for the upper and lower surfaces of the wing with a given sweep, aileron deflection, and angle of attack at the various test Mach numbers. The data obtained at each of the eight chordwise measurement stations are placed in separate horizontal groups in each table. The designations of the chordwise stations at which the data in a given group were obtained is indicated in the upper left corner of each group in the tables. The spanwise locations of the designated stations from the plane of symmetry along the swept semispan in percent of the swept semispan for each of the sweep angles are indicated in figure 1 and the following table:

Station designation	$\Lambda = 0°$	$\Lambda = 30°$	$\Lambda = 45°$	$\Lambda = -30°$	$\Lambda = -45°$
A	11.0	12.7	14.4	7.6	5.2
B	20.0	21.3	22.9	16.3	14.0
C	30.0	30.9	32.4	26.0	23.7
D	43.0	43.4	44.7	38.6	36.4
E	56.0	55.8	57.0	51.1	49.1
F	64.0	63.5	64.7	58.9	56.9
G	80.0	78.8	79.8	74.4	72.5
H	95.0	93.2	94.0	88.9	87.1

The chordwise locations of the orifice tubes at each of the measurement stations in percent of the local chord are indicated in tables 1 to 78.

In most cases the nominal aileron angles listed are the same as the aileron angles actually present during the tests. For the conditions at which they differ, the actual angles may be obtained from reference 2.

Langley Memorial Aeronautical Laboratory
    National Advisory Committee for Aeronautics
        Langley Field, Va.

REFERENCES

1. Whitcomb, Richard T.: An Investigation of the Effects of Sweep on
      the Characteristics of a High–Aspect–Ratio Wing in the
      Langley 8–Foot High–Speed Tunnel. NACA RM No. L6J01a, 1946.

2. Luoma, Arvo A., Bielat, Ralph P., and Whitcomb, Richard T.: High–
      Speed Wind–Tunnel Investigation of the Lateral–Control Charac–
      teristics of Plain Ailerons on a Wing with Various Amounts of
      Sweep. NACA RM No. L7I15, 1947.
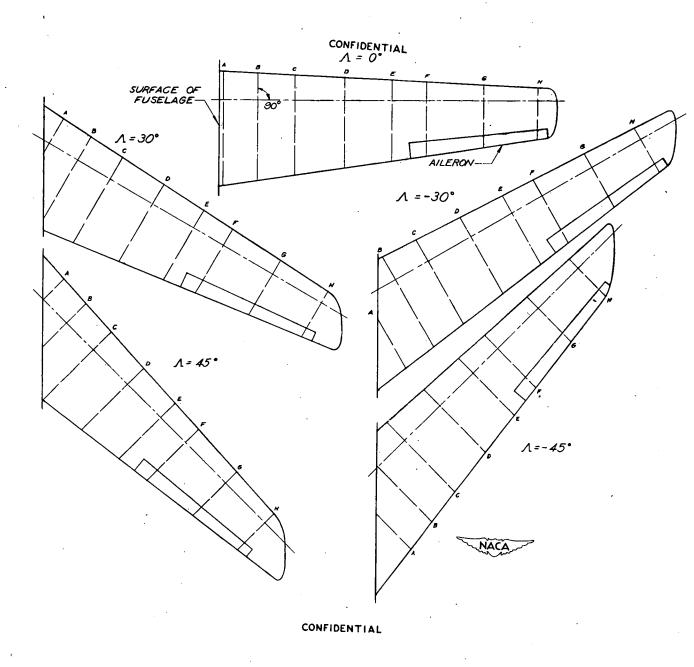
FIGURE 1.- LOCATION OF ORIFICE STATIONS.

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INDEX

[All values are in degrees]

Table	Λ	δ_{a_n}	α	Table	Λ	δ_{a_n}	α
1	0	0	-2	40	30	5.0	4
2	0	0	0	41	30	5.0	7
3	0	0	2	42	30	10.0	-2
4	0	0	4	43	30	10.0	0
5	0	0	7	44	30	10.0	2
6	0	0	10	45	30	10.0	4
7	30	0	-2	46	30	10.0	7
8	30	0	0	47	45	-9.4	-2
9	30	0	2	48	45	-9.4	2
10	30	0	4	49	45	-9.4	7
11	30	0	7	50	45	10.0	-2
12	30	0	10	51	45	10.0	2
13	45	0	-2	52	45	10.0	7
14	45	0	2	53	-30	-10.0	-2
15	45	0	7	54	-30	-10.0	0
16	45	0	10	55	-30	-10.0	2
17	-30	0	-2	56	-30	-10.0	4
18	-30	0	0	57	-30	-10.0	7
19	-30	0	2	58	-30	-5.0	-2
20	-30	0	4	59	-30	-5.0	0
21	-30	0	7	60	-30	-5.0	2
22	-30	0	10	61	-30	-5.0	4
23	-45	0	-2	62	-30	-5.0	7
24	-45	0	2	63	-30	5.0	-2
25	-45	0	7	64	-30	5.0	0
26	-45	0	10	65	-30	5.0	2
27	30	-10.0	-2	66	-30	5.0	4
28	30	-10.0	0	67	-30	5.0	7
29	30	-10.0	2	68	-30	10.0	-2
30	30	-10.0	4	69	-30	10.0	0
31	30	-10.0	7	70	-30	10.0	2
32	30	-5.1	-2	71	-30	10.0	4
33	30	-5.1	0	72	-30	10.0	7
34	30	-5.1	2	73	-45	-10.0	-2
35	30	-5.1	4	74	-45	-10.0	2
36	30	-5.1	7	75	-45	-10.0	7
37	30	5.0	-2	76	-45	9.8	-2
38	30	5.0	0	77	-45	9.8	2
39	30	5.0	2	78	-45	9.8	7

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TABLE 1

$$\left[\Lambda = 0^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = -2^\circ\right]$$

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UPPER SURFACE

Tube	Per-cent chord	0.60	0.75	0.80
A 1	2.0	0.430	0.475	0.492
2	6.0	.125	.160	.178
3	15.0	-.091	-.088	-.080
4	27.5	-.208	-.237	-.247
5	40.0	-.298	-.365	-.420
6	50.0	-.298	-.366	-.430
7	59.0	-.250	-.307	-.347
8	67.5	--	--	--
9	77.5	-.068	-.080	-.064
10	87.5	.008	.020	-.027
11	96.0	.050	.070	-.080
B12	2.0	.450	.500	-.520
13	6.0	.120	.162	-.182
14	15.0	-.109	-.107	-.091
15	27.5	-.260	-.297	-.308
16	40.0	-.350	-.431	-.498
17	50.0	-.355	-.440	-.520
18	59.0	-.308	-.370	-.438
19	67.5	-.248	-.330	-.357
20	77.5	-.080	-.072	-.069
21	88.0	.058	.074	.082
22	95.3	.140	.167	.180
C23	2.0	.454	.510	.530
24	6.0	.120	.167	.190
25	15.0	-.117	-.110	-.093
26	27.5	-.270	-.310	-.320
27	40.0	-.365	-.464	-.532
28	50.0	-.358	-.460	-.579
29	59.0	-.322	-.400	-.493
30	67.5	-.260	-.350	-.350
31	77.5	-.087	-.078	-.072
32	88.0	.041	.060	.078
33	95.3	.137	.152	.168
D34	2.0	.390	.448	.565
35	15.0	-.120	-.110	-.095
36	27.5	-.272	-.310	-.311
37	40.0	-.370	-.480	-.548
38	50.0	-.374	-.486	-.630
39	59.0	-.290	-.382	-.520
40	67.5	-.260	-.338	-.321
41	77.5	-.084	-.078	-.074
42	87.5	.039	.056	.072
43	94.2	.126	.150	.169
E44	2.0	.438	.484	.502
45	6.0	.109	.147	.172
46	15.0	-.128	-.128	-.108
47	27.5	-.272	-.320	-.329
48	40.0	-.368	-.480	-.541
49	50.0	-.362	-.477	-.611
50	53.0	-.315	-.400	-.522
51	67.5	-.253	-.351	-.438
52	77.5	-.052	-.030	-.034
53	88.5	.098	.110	.129
54	95.5	.150	.178	.199
F55	2.0	.439	.490	.510
56	6.0	.110	.142	.167
57	15.0	-.128	-.128	-.110
58	27.5	--	--	--
59	49.0	-.367	-.481	-.543
60	50.0	-.364	-.475	-.610
61	59.0	-.306	-.393	-.520
62	67.5	-.248	-.340	-.428
63	86.5	.048	.072	.078
64	94.6	.092	.118	.133
G65	2.0	.450	.500	.530
66	6.0	.110	.143	.170
67	15.0	-.120	-.120	-.106
68	27.5	-.262	-.317	-.321
69	40.0	-.349	-.470	-.531
70	50.0	-.350	-.473	-.590
71	59.0	-.297	-.382	-.504
72	67.5	-.240	-.346	-.453
73	77.5	-.070	-.004	-.006
74	87.2	.048	.062	.070
75	96.8	.120	.143	.152
H76	2.0	.385	.436	.450
77	6.0	.050	.058	.090
78	15.0	-.120	-.132	-.130
79	27.5	--	--	--
80	40.0	-.322	-.418	-.479
81	50.0	-.325	-.412	-.482
82	59.0	-.260	-.330	-.398
83	67.5	-.217	-.311	-.400
84	88.3	.038	.048	.050
85	94.2	.296	.245	.216

LOWER SURFACE

Tube	Per-cent chord	0.60	0.75	0.80
86	3.0	-0.705	-0.800	--
87	10.0	--	--	--
88	25.0	-.320	-.410	-.465
89	41.0	-.300	-.375	-.440
90	52.5	-.209	-.260	-.279
91	62.5	-.141	-.163	-.161
92	72.5	-.079	-.080	-.069
93	84.0	.045	.056	.065
94	94.0	.080	.097	.108
95	3.0	-.652	-.800	-.795
96	10.0	-.408	-.576	-.760
97	25.0	-.368	-.460	-.540
98	41.0	-.343	-.440	-.545
99	52.5	-.268	-.326	-.333
100	62.5	-.170	-.191	-.182
101	72.5	-.050	-.047	-.030
102	86.3	.090	.110	.131
103	94.5	.165	.188	.209
104	3.0	-.639	.000	-.777
105	10.0	-.425	-.570	-.787
106	25.0	-.393	-.521	-.641
107	41.0	-.364	-.480	-.625
108	52.5	-.295	-.360	-.361
109	62.5	-.190	-.212	-.193
110	72.5	-.050	-.042	-.021
111	85.1	.090	.112	.135
112	94.6	.187	.211	.238
113	3.0	-.637	-.800	-.770
114	10.0	-.430	-.578	-.730
115	25.0	-.404	-.544	-.685
116	41.0	-.370	-.500	-.668
117	52.5	-.298	-.377	-.568
118	62.5	-.184	-.210	-.152
119	72.5	-.047	-.041	-.010
120	87.4	.110	.131	.153
121	94.2	.164	.191	.220
122	3.0	-.578	-.714	-.758
123	10.0	-.420	-.542	-.620
124	25.0	-.383	-.540	-.660
125	41.0	-.358	-.474	-.621
126	52.5	-.270	-.365	-.435
127	62.5	-.180	-.193	-.260
128	72.5	-.051	-.045	-.020
129	78.0	.010	.030	.055
130	85.3	.102	.132	.155
131	94.1	.281	.211	.230
132	3.0	-.610	-.778	-.756
133	10.0	-.420	-.550	-.632
134	25.0	-.383	-.529	-.650
135	41.0	-.350	-.471	-.640
136	52.5	-.290	-.380	-.420
137	62.5	-.160	-.173	-.141
138	72.5	-.030	-.026	.000
139	83.4	.079	.100	.125
140	94.0	.127	.154	.272
141	3.0	-.562	-.692	-.710
142	10.0	-.421	-.540	-.674
143	25.0	-.380	-.518	-.632
144	41.0	-.341	-.454	-.580
145	52.5	-.278	-.374	-.493
146	62.5	-.135	-.132	-.101
147	72.5	-.018	-.012	.009
148	84.0	.108	.130	.248
149	92.0	.113	.139	.252
150	3.0	-.361	-.560	-.590
151	10.0	-.335	-.426	-.475
152	25.0	-.328	-.420	-.500
153	41.0	-.297	-.389	-.460
154	52.5	-.231	-.300	-.344
155	62.5	-.130	-.162	-.175
156	72.5	-.019	-.020	-.010
157	84.9	.130	.148	.160

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TABLE 2

$$\left[\Lambda = 0^\circ, \ \delta_{a_n} = 0^\circ, \ \alpha = 0^\circ\right]$$

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		UPPER SURFACE								LOWER SURFACE					
Tube	Per-cent chord	Mach Number						Tube	Per-cent chord	Mach Number					
		0.60	0.75	0.80	0.85	0.89	0.925			0.60	0.75	0.80	0.85	0.89	0.925
A 1	2.0	-0.026	0.032	0.088	0.202	0.248	0.270	86	3.0	-0.141	-0.163	-0.175	-0.230	-0.181	-0.110
2	6.0	-.190	-.171	-.140	-.045	.007	.043	87	10.0	--	--	--	--	--	--
3	15.0	-.280	-.311	-.300	-.229	-.178	-.130	88	25.0	-.202	-.252	-.293	-.372	-.356	-.300
4	27.5	-.331	-.398	-.418	-.375	-.348	-.312	89	41.0	-.230	-.285	-.335	.520	-.508	-.440
5	40.0	-.387	-.494	-.591	-.550	-.501	-.450	90	52.5	-.160	-.200	-.230	-.452	-.552	-.491
6	50.0	-.360	-.459	-.590	-.638	-.590	-.534	91	62.5	-.108	-.125	-.134	-.183	-.662	-.602
7	59.0	.298	-.363	-.416	-.631	-.630	-.650	92	72.5	-.059	-.059	-.051	-.070	-.380	-.620
8	67.5	--	--	--	--	--	--	93	84.0	.070	.084	.190	.071	-.065	-.513
9	77.5	-.090	-.090	-.081	-.082	.140	.631	94	94.0	.100	.119	.127	.119	-.036	-.259
10	87.5	-.010	.000	.012	.020	.010	.402								
11	96.0	.039	.056	.070	.078	.055	.226								
B12	2.0	.030	.111	.176	.280	.328	.360	95	3.0	-.151	-.172	-.184	-.220	-.160	-.085
13	6.0	-.185	-.157	-.110	-.012	.039	.078	96	10.0	-.165	-.197	-.210	-.237	-.202	-.142
14	15.0	-.310	.342	-.318	-.240	-.181	-.131	97	25.0	-.249	-.310	-.350	-.451	-.420	-.353
15	27.5	-.401	-.484	-.494	-.450	-.398	-.350	98	41.0	-.265	-.335	-.400	-.558	-.529	-.475
16	40.0	-.450	-.584	-.660	-.599	-.553	-.502	99	52.5	-.215	-.268	-.306	-.660	-.658	-.585
17	50.0	-.432	-.540	-.702	-.680	-.631	-.608	100	62.5	-.138	-.152	-.159	-.231	-.750	-.675
18	59.0	-.370	-.470	-.641	-.630	-.588	-.703	101	72.5	-.020	-.019	-.014	-.020	-.571	-.660
19	67.5	-.312	-.330	-.213	-.549	-.545	-.696	102	86.3	.113	.140	.157	.135	-.091	-.640
20	77.5	-.110	-.103	-.080	-.168	-.280	-.652	103	94.5	.189	.215	.225	.200	.062	-.330
21	88.0	.045	.065	.086	.048	-.100	-.473								
22	95.3	.140	.168	.180	.130	.000	-.361								
C23	2.0	.040	.130	.200	.304	.352	.384	104	3.0	-.143	-.163	-.180	-.202	-.145	-.079
24	6.0	-.179	-.141	-.081	.010	.061	.106	105	10.0	-.192	-.236	-.264	-.290	-.240	-.175
25	15.0	-.324	-.351	-.316	-.232	-.171	-.122	106	25.0	-.259	-.329	-.385	-.481	-.430	-.358
26	27.5	-.420	-.514	-.509	-.441	-.390	-.336	107	41.0	-.281	-.360	-.441	-.604	-.580	-.511
27	40.0	-.478	-.643	-.682	-.611	-.558	-.501	108	52.5	-.240	-.300	-.350	-.660	-.691	-.628
28	50.0	-.440	-.577	-.737	-.672	-.619	-.632	109	62.5	-.159	-.182	-.192	-.452	-.700	-.705
29	59.0	-.392	-.514	-.701	-.640	-.593	-.734	110	72.5	-.013	-.010	-.008	-.055	-.650	-.705
30	67.5	-.332	-.329	-.367	-.520	-.491	-.720	111	85.1	.110	.139	.156	.120	-.319	-.654
31	77.5	-.120	-.110	-.060	-.245	-.308	-.704	112	94.6	.210	.240	.248	.202	-.038	-.473
32	88.0	.029	.050	.080	-.052	-.179	-.580								
33	95.3	.125	.149	.178	.070	-.072	-.402								
D34	2.0	-.034	.046	.140	.242	.290	.327	113	3.0	-.150	-.179	-.200	-.221	-.160	-.090
35	15.0	-.330	-.353	-.309	-.222	-.155	-.111	114	10.0	-.180	-.220	-.250	-.262	-.211	-.150
36	27.5	-.412	-.511	-.492	-.420	-.368	-.311	115	25.0	-.262	-.341	-.410	-.500	-.440	-.370
37	40.0	-.485	-.681	-.690	-.611	-.550	-.488	116	41.0	-.281	-.369	-.451	-.620	-.580	-.510
38	50.0	-.460	-.622	-.840	-.735	-.682	-.630	117	52.5	-.231	-.299	-.359	-.571	-.690	-.618
39	59.0	-.368	-.506	-.695	-.660	-.602	-.725	118	62.5	-.172	-.240	-.290	-.570	-.701	-.720
40	67.5	-.280	-.302	-.382	-.483	-.520	-.790	119	72.5	.020	.025	.022	-.212	-.680	-.711
41	77.5	-.128	-.118	-.091	-.245	-.330	-.782	120	87.4	.130	.160	.179	-.079	-.441	-.652
42	87.5	.020	.043	.072	-.080	-.202	-.682	121	94.2	.180	.213	.220	.140	-.189	-.590
43	94.2	.110	.140	.160	.019	-.128	-.566								
E44	2.0	.006	.080	.162	.284	.338	.373	122	3.0	-.195	-.110	-.026	-.168	-.119	-.050
45	6.0	-.206	-.180	-.110	-.007	.050	.091	123	10.0	-.170	-.202	-.228	-.255	-.210	-.150
46	15.0	-.342	-.376	-.331	-.238	-.175	-.125	124	25.0	-.248	-.320	-.374	-.467	-.418	-.350
47	27.5	-.430	-.532	-.513	-.432	-.363	-.322	125	41.0	-.265	-.341	-.412	-.602	-.560	-.500
48	40.0	-.487	-.680	-.699	-.613	-.547	-.490	126	52.5	-.207	-.362	-.320	-.590	-.661	-.591
49	50.0	-.455	-.610	-.756	-.620	-.550	-.633	127	62.5	-.150	-.190	-.220	-.559	-.730	-.680
50	59.0	-.390	-.540	-.710	-.610	-.542	-.681	128	72.5	-.020	-.010	-.010	-.091	-.703	-.709
51	67.5	-.340	-.390	-.618	-.532	-.491	-.701	129	78.0	.041	.059	.060	.011	-.680	-.666
52	77.5	-.082	-.082	-.060	-.272	-.291	-.669	130	85.3	.130	.158	.160	.100	-.483	-.640
53	88.5	.076	.099	.113	-.097	-.182	-.582	131	94.1	.195	.229	.230	.155	-.130	-.546
54	95.5	.140	.169	.182	.000	-.113	-.500								
F55	2.0	.000	.080	.168	.280	.330	.368	132	3.0	-.120	-.138	-.154	-.201	-.143	-.080
56	6.0	-.210	-.180	-.114	-.008	.048	.090	133	10.0	-.168	-.200	-.225	-.254	-.207	-.147
57	15.0	-.342	-.380	-.332	-.240	-.180	-.132	134	25.0	-.242	-.312	-.374	-.461	-.409	-.341
58	27.5	--	--	--	--	--	--	135	41.0	-.260	-.333	-.405	-.599	-.560	-.494
59	49.0	-.487	-.672	-.702	-.617	-.550	-.492	136	52.5	-.218	-.270	-.321	-.550	-.682	-.618
60	50.0	-.451	-.603	-.741	-.607	-.540	-.638	137	62.5	-.152	-.211	-.274	-.540	-.724	-.702
61	59.0	-.380	-.534	-.703	-.600	-.535	-.690	138	72.5	.031	.059	.055	-.171	-.690	-.685
62	67.5	-.327	-.383	-.628	-.547	-.498	-.711	139	83.4	.110	.131	.140	.071	-.595	-.628
63	86.5	.025	.047	.080	-.120	-.203	-.641	140	94.0	.138	.161	.161	.090	-.190	-.570
64	94.6	.088	.120	.149	-.005	-.120	-.528								
G65	2.0	.030	.110	.195	.310	.353	.390	141	3.0	-.100	-.101	-.121	-.161	-.104	-.041
66	6.0	-.197	-.172	-.110	-.008	.043	.085	142	10.0	-.187	-.220	-.248	-.282	-.233	-.180
67	15.0	-.321	-.358	-.317	-.228	-.173	-.126	143	25.0	-.250	-.320	-.385	-.464	-.410	-.341
68	27.5	-.408	-.509	-.500	-.428	-.370	-.320	144	41.0	-.261	-.337	-.408	-.608	-.570	-.505
69	40.0	-.470	-.632	-.678	-.599	-.550	-.482	145	52.5	-.210	-.261	-.322	-.545	-.694	-.629
70	50.0	-.440	-.569	-.693	-.567	-.500	-.630	146	62.5	-.149	-.205	-.263	-.518	-.679	-.698
71	59.0	-.363	-.502	-.661	-.562	-.503	-.672	147	72.5	.040	.049	.048	-.140	-.661	-.689
72	67.5	-.332	-.475	-.647	-.525	-.466	-.680	148	84.0	.130	.155	.159	.085	-.590	-.620
73	77.5	-.050	-.040	-.031	-.278	-.312	-.682	149	92.0	.122	.147	.147	.071	-.261	-.555
74	87.2	.032	.050	.086	-.104	-.208	-.541								
75	96.8	.113	.142	.165	.028	-.101	-.432								
H76	2.0	.049	.100	.162	.258	.298	.332	150	3.0	-.105	-.100	-.110	-.146	-.102	-.052
77	6.0	-.188	-.191	-.158	-.081	-.040	.000	151	10.0	-.174	-.200	-.221	-.250	-.210	-.160
78	15.0	-.268	-.308	-.300	-.247	-.208	-.164	152	25.0	-.240	-.299	-.348	-.448	-.420	-.362
79	27.5	--	--	--	--	--	--	153	41.0	-.259	-.320	-.378	-.532	-.533	-.515
80	40.0	-.391	-.500	-.577	-.588	-.561	-.521	154	52.5	-.212	-.269	-.311	-.524	-.621	-.580
81	50.0	-.378	-.474	-.591	-.593	-.519	-.650	155	62.5	-.140	-.181	-.212	-.341	-.619	-.600
82	59.0	-.309	-.401	-.500	-.558	-.510	-.665	156	72.5	-.008	.001	-.010	-.053	-.528	-.585
83	67.5	-.247	-.301	-.271	-.550	-.530	-.634	157	84.9	.117	.133	.139	.130	.005	-.265
84	88.3	.030	.040	.053	.027	-.170	-.534								
85	94.2	.267	.216	.198	.204	-.046	-.376								

NACA

TABLE 3

$$\left[\Lambda = 0^\circ, \ \delta_{a_n} = 0^\circ, \ \alpha = 2^\circ\right]$$

CONFIDENTIAL

		UPPER SURFACE								LOWER SURFACE				
Tube	Per-cent chord	Mach Number						Tube	Per-cent chord	Mach Number				
		0.60	0.80	0.85	0.89	0.925				0.60	0.80	0.85	0.89	0.925
A 1	2.0	-0.657	-0.461	-0.231	-0.128	-0.061		86	3.0	0.260	0.227	0.155	0.162	0.204
2	6.0	-.560	-.534	-.369	-.280	-.213		87	10.0	- -	- -	- -	- -	- -
3	15.0	-.485	-.528	-.412	-.331	-.250		88	25.0	-.080	-.145	-.210	-.201	-.152
4	27.5	-.452	-.648	-.583	-.419	-.450		89	41.0	-.151	-.240	-.390	-.409	-.347
5	40.0	-.468	-.740	-.682	-.616	-.545		90	52.5	-.102	-.179	-.324	-.460	-.409
6	50.0	-.421	-.731	-.728	-.671	-.620		91	62.5	-.070	-.110	-.180	-.572	-.520
7	59.0	-.335	-.431	-.650	-.645	-.721		92	72.5	-.033	-.049	-.093	-.432	-.550
8	67.5	- -	- -	- -	- -	- -		93	84.0	.100	.106	.070	-.052	-.479
9	77.5	-.111	-.097	-.130	-.182	-.679		94	94.0	.118	.130	.109	.035	-.250
10	87.5	-.022	-.002	-.021	-.063	-.441								
11	96.0	.030	.050	.040	.000	-.290								
B12	2.0	-.543	-.270	-.081	.027	.090		95	3.0	.248	.207	.240	.153	.198
13	6.0	-.558	-.477	-.306	-.118	-.150		96	10.0	.060	.030	-.019	.005	.050
14	15.0	-.549	-.550	-.422	-.342	-.279		97	25.0	-.110	-.185	-.251	-.240	-.192
15	27.5	-.558	-.740	-.630	-.550	-.468		98	41.0	-.180	-.289	-.440	-.430	-.369
16	40.0	-.560	-.842	-.760	-.690	-.622		99	52.5	-.160	-.250	-.459	-.571	-.509
17	50.0	-.510	-.775	-.690	-.630	-.710		100	62.5	-.100	-.159	-.313	-.645	-.599
18	59.0	-.450	-.751	-.688	-.628	-.760		101	72.5	.029	.025	-.025	-.557	-.580
19	67.5	-.258	-.301	-.448	-.444	-.749		102	86.3	.139	.150	.108	-.095	-.552
20	77.5	-.140	-.088	-.256	-.318	-.687		103	94.5	.207	.222	.156	.095	-.270
21	88.0	.030	.068	-.102	-.220	-.533								
22	95.3	.131	.150	-.020	-.150	-.445								
C23	2.0	-.530	-.218	-.019	.070	.140		104	3.0	.351	.200	.139	.157	.195
24	6.0	-.541	-.406	-.244	-.161	-.092		105	10.0	.045	-.001	-.048	-.021	.022
25	15.0	-.557	-.540	-.406	-.328	-.253		106	25.0	-.119	-.205	-.271	-.255	-.210
26	27.5	-.580	-.739	-.618	-.540	-.464		107	41.0	-.184	-.311	-.470	-.449	-.388
27	40.0	-.591	-.871	-.752	-.678	-.612		108	52.5	-.165	-.259	-.493	-.585	-.519
28	50.0	-.530	-.795	-.688	-.619	-.722		109	62.5	-.105	-.200	-.450	-.660	-.615
29	59.0	-.474	-.792	-.661	-.610	-.790		110	72.5	.017	.050	.008	-.613	-.622
30	67.5	-.260	-.434	-.447	-.430	-.773		111	85.1	.135	.139	.091	-.371	-.565
31	77.5	-.152	-.162	-.319	-.335	-.738		112	94.6	.235	.247	.160	.030	-.360
32	88.0	.009	.006	-.198	-.260	-.632								
33	95.3	.116	.098	-.094	-.180	-.522								
D34	2.0	-.611	-.296	-.090	.000	.073		113	3.0	.249	.180	.115	.140	.178
35	15.0	-.552	-.530	-.392	-.315	-.242		114	10.0	.059	.000	-.042	-.011	.030
36	27.5	-.577	-.717	-.592	-.517	-.440		115	25.0	-.119	-.220	-.290	-.264	-.220
37	40.0	-.605	-.876	-.753	-.675	-.598		116	41.0	-.181	-.329	-.481	-.445	-.390
38	50.0	-.555	-.831	-.714	-.670	-.730		117	52.5	-.157	-.271	-.525	-.580	-.515
39	59.0	-.441	-.732	-.520	-.619	-.804		118	62.5	-.100	-.209	-.475	-.680	-.623
40	67.5	-.305	-.438	-.432	-.463	-.842		119	72.5	-.010	.019	-.103	-.632	-.618
41	77.5	-.151	-.212	-.318	-.360	-.820		120	87.4	.159	.155	.110	-.541	-.561
42	87.5	.004	-.044	-.217	-.290	-.711		121	94.2	.195	.180	.100	-.202	-.461
43	94.2	.099	.037	-.154	-.240	-.628								
E44	2.0	-.616	-.261	-.042	.060	.137		122	3.0	.302	.238	.165	.180	.210
45	6.0	-.600	-.450	-.280	-.180	-.108		123	10.0	.070	.018	-.032	-.011	.030
46	15.0	-.589	-.560	-.418	-.335	-.261		124	25.0	-.098	-.191	-.269	-.251	-.210
47	27.5	-.600	-.740	-.605	-.520	.447		125	41.0	-.162	-.299	-.460	-.436	-.382
48	40.0	-.610	-.831	-.714	-.648	-.600		126	52.5	-.130	-.240	-.483	-.547	-.488
49	50.0	-.550	-.771	-.662	-.590	-.708		127	62.5	-.090	-.194	-.409	-.650	-.588
50	59.0	-.484	-.752	-.647	-.595	-.720		128	72.5	-.005	-.053	-.060	-.635	-.620
51	67.5	-.320	-.480	-.480	-.456	-.700		129	78.0	.071	.040	-.002	-.609	-.605
52	77.5	-.130	-.245	-.352	-.350	-.687		130	85.3	.159	.131	.079	-.471	-.560
53	88.5	.056	-.073	-.250	-.280	-.610		131	94.1	.212	.185	.100	-.122	-.352
54	95.5	.140	.016	-.176	-.230	-.548								
F55	2.0	-.617	-.260	-.048	.049	.120		132	3.0	.287	.216	.140	.157	.190
56	6.0	-.599	-.450	-.268	-.180	-.108		133	10.0	.074	.020	-.030	-.010	.031
57	15.0	-.586	-.567	-.420	-.340	-.268		134	25.0	-.090	-.190	-.265	-.250	-.210
58	27.5	- -	- -	- -	- -	- -		135	41.0	-.154	-.291	-.450	-.430	-.375
59	40.0	-.602	-.810	-.693	-.631	-.600		136	52.5	-.140	-.255	-.476	-.572	-.522
60	50.0	-.542	-.756	-.650	-.580	-.712		137	62.5	-.075	-.189	-.421	-.660	-.612
61	59.0	-.472	-.748	-.621	-.574	-.731		138	72.5	-.013	-.050	-.050	-.610	-.592
62	67.5	-.300	-.478	-.457	-.443	-.751		139	83.4	.045	.119	.075	-.541	-.530
63	86.5	.005	-.098	-.262	-.300	-.668		140	94.0	.050	.091	.005	-.201	-.480
64	94.6	.141	.009	-.180	-.245	-.580								
G65	2.0	-.550	-.228	-.012	.077	.149		141	3.0	.290	.235	.161	.181	.218
66	6.0	-.570	-.451	-.281	-.190	-.117		142	10.0	.049	-.005	-.055	-.030	.008
67	15.0	-.550	-.549	-.409	-.330	-.260		143	25.0	-.101	-.210	-.284	-.265	-.223
68	27.5	-.557	-.720	-.600	-.521	-.450		144	41.0	-.168	-.310	-.470	-.445	-.391
69	40.0	-.572	-.790	-.651	-.601	-.593		145	52.5	-.135	-.256	-.485	-.591	-.532
70	50.0	-.520	-.720	-.617	-.562	-.696		146	62.5	-.080	-.190	-.440	-.658	-.612
71	59.0	-.450	-.741	-.596	-.555	-.705		147	72.5	-.005	.040	-.010	-.607	-.610
72	67.5	-.332	-.508	-.453	-.446	-.710		148	84.0	.165	.140	.082	-.437	-.531
73	77.5	-.094	-.202	-.340	-.360	-.690		149	92.0	.140	.100	.008	-.152	-.440
74	87.2	.015	-.026	-.231	-.293	-.583								
75	96.8	.111	.080	-.111	-.202	-.497								
H76	2.0	-.392	-.210	-.032	.043	.110		150	3.0	.210	.193	.137	.150	.180
77	6.0	-.463	-.470	-.332	-.262	-.195		151	10.0	.004	-.030	-.070	-.050	-.013
78	15.0	-.420	-.494	-.413	-.360	-.307		152	25.0	-.142	-.231	-.304	-.311	-.275
79	27.5	- -	- -	- -	- -	- -		153	41.0	-.198	-.312	-.445	-.450	-.421
80	40.0	-.456	-.686	-.671	-.640	-.596		154	52.5	-.170	-.270	-.430	-.560	-.520
81	50.0	-.424	-.695	-.611	-.581	-.702		155	62.5	-.110	-.211	-.360	-.540	-.551
82	59.0	-.355	-.600	-.605	-.590	-.698		156	72.5	-.040	-.033	-.010	-.478	-.535
83	67.5	-.218	-.227	-.600	-.608	-.672		157	84.9	.109	.105	.087	.025	-.296
84	88.3	.018	.018	-.016	-.195	-.568								
85	94.2	.236	.175	.180	.009	-.391								

TABLE 4

$$\left[\Lambda = 0^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 4^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.75	0.80	0.85	0.89	0.925
A 1	2.0	-1.655	-1.408	-1.040	-0.731	-0.561	-0.443
2	6.0	-.866	-1.365	-1.083	-.815	-.658	-.540
3	15.0	-.684	-1.043	-.896	-.690	-.569	-.470
4	27.5	-.572	-.761	-.936	-.802	-.698	-.611
5	40.0	-.548	-.732	-.908	-.821	-.730	-.650
6	50.0	-.469	-.560	-.718	-.828	-.770	-.705
7	59.0	-.362	-.390	-.382	-.603	-.721	-.804
8	67.5	--	--	--	--	--	--
9	77.5	-.128	-.109	-.130	-.181	-.280	-.800
10	87.5	-.038	-.020	-.036	-.081	-.171	-.570
11	96.0	.012	.021	.012	-.020	-.110	-.421
B12	2.0	-1.322	-1.016	-.711	-.440	-.293	-.190
13	6.0	-1.008	-1.160	-.891	-.650	-.511	-.405
14	15.0	-.756	-1.155	-.940	-.731	-.610	-.510
15	27.5	-.688	-1.122	-1.042	-.863	-.748	-.648
16	40.0	-.645	-.905	-.960	-.802	-.742	-.725
17	50.0	-.569	-.605	-.856	-.771	-.719	-.810
18	59.0	-.450	-.453	-.530	-.562	-.648	-.858
19	67.5	-.310	-.290	-.342	-.460	-.498	-.861
20	77.5	-.155	-.128	-.198	-.376	-.424	-.801
21	88.0	.010	.050	-.060	-.280	-.362	-.710
22	95.3	.095	.140	.018	-.200	-.312	-.617
C23	2.0	-1.287	-.938	-.640	-.375	-.240	-.130
24	6.0	-.981	-1.110	-.832	-.580	-.442	-.338
25	15.0	-.800	-1.075	-.853	-.651	-.538	-.441
26	27.5	-.730	-1.165	-.991	-.817	-.708	-.611
27	40.0	-.690	-1.080	-.920	-.764	-.711	-.743
28	50.0	-.600	-.995	-.802	-.720	-.696	-.808
29	59.0	-.500	-.425	-.590	-.552	-.600	-.912
30	67.5	-.328	-.253	-.450	-.460	-.491	-.871
31	77.5	-.176	-.115	-.320	-.404	-.440	-.850
32	88.0	-.003	.036	-.190	-.340	-.392	-.780
33	95.3	.102	.100	-.130	-.293	-.358	-.617
D34	2.0	-1.330	-1.020	-.748	-.481	-.340	-.222
35	15.0	-.804	-1.060	-.832	-.627	-.511	-.413
36	27.5	-.732	-1.120	-.950	-.770	-.668	-.560
37	40.0	-.712	-1.138	-.940	-.800	-.756	-.712
38	50.0	-.620	-1.068	-.855	-.747	-.723	-.830
39	59.0	-.479	-.582	-.591	-.571	-.639	-.825
40	67.5	-.330	-.312	-.470	-.475	-.536	-.921
41	77.5	-.169	-.118	-.332	-.408	-.467	-.918
42	87.5	-.006	.030	-.212	-.350	-.412	-.858
43	94.2	.082	.110	-.150	-.308	-.379	-.805
E44	2.0	-1.420	-1.018	-.692	-.402	-.255	-.141
45	6.0	-1.088	-1.160	-.890	-.638	-.498	-.381
46	15.0	-.820	-1.140	-.919	-.692	-.570	-.466
47	27.5	-.749	-1.160	-.971	-.796	-.690	-.591
48	40.0	-.710	-1.078	-.892	-.736	-.662	-.723
49	50.0	-.629	-1.070	-.825	-.732	-.667	-.800
50	59.0	-.488	-.618	-.584	-.580	-.609	-.830
51	67.5	-.337	-.308	-.468	-.486	-.501	-.850
52	77.5	-.152	-.103	-.352	-.422	-.442	-.798
53	88.5	.020	.032	-.250	-.374	-.418	-.750
54	95.5	.100	.100	-.182	-.340	-.398	-.713
F55	2.0	-1.422	-1.020	-.716	-.430	-.283	-.170
56	6.0	-1.068	-1.161	-.890	-.630	-.490	-.373
57	15.0	-.822	-1.125	-.910	-.689	-.570	-.466
58	27.5	--	--	--	--	--	--
59	49.0	-.708	-1.078	-.887	-.740	-.660	-.726
60	50.0	-.604	-1.060	-.812	-.731	-.662	-.808
61	59.0	-.475	-.620	-.593	-.602	-.613	-.840
62	67.5	-.320	-.278	-.472	-.503	-.510	-.860
63	86.5	-.011	.035	-.270	-.389	-.423	-.782
64	94.6	.077	.116	-.182	-.332	-.399	-.728
G65	2.0	-1.308	-.947	-.676	-.391	-.250	-.138
66	6.0	-1.009	-1.111	-.876	-.613	-.481	-.370
67	15.0	-.790	-1.080	-.901	-.688	-.572	-.470
68	27.5	-.702	-1.100	-.942	-.780	-.691	-.592
69	40.0	-.678	-1.000	-.860	-.712	-.643	-.717
70	50.0	-.593	-1.000	-.824	-.690	-.648	-.782
71	59.0	-.453	-.482	-.591	-.578	-.600	-.798
72	67.5	-.310	-.208	-.459	-.491	-.520	-.808
73	77.5	-.130	-.055	-.332	-.423	-.460	-.780
74	87.2	.003	.080	-.220	-.368	-.426	-.690
75	96.8	.114	.170	-.130	-.290	-.374	-.607
H76	2.0	-.938	-.891	-.667	-.403	-.274	-.163
77	6.0	-.772	-.990	-.828	-.615	-.500	-.398
78	15.0	-.580	-.832	-.830	-.674	-.582	-.490
79	27.5	--	--	--	--	--	--
80	40.0	-.520	-.740	-.813	-.741	-.724	-.690
81	50.0	-.478	-.661	-.791	-.690	-.669	-.778
82	59.0	-.361	-.432	-.575	-.697	-.679	-.789
83	67.5	-.217	-.250	-.251	-.640	-.690	-.767
84	88.3	-.011	-.021	-.036	-.100	-.300	-.620
85	94.2	.212	.111	.067	.141	-.184	-.259

LOWER SURFACE

Tube	Per-cent chord	0.60	0.75	0.80	0.85	0.89	0.925
86	3.0	0.560	0.568	0.509	0.440	0.440	0.451
87	10.0	--	--	--	--	--	--
88	25.0	.032	.045	-.019	-.069	-.075	-.030
89	41.0	-.080	-.096	-.160	-.255	-.310	-.170
90	52.5	-.052	-.070	-.130	-.232	-.357	-.329
91	62.5	-.038	-.039	-.089	-.169	-.451	-.441
92	72.5	-.012	-.004	-.042	-.110	-.290	-.490
93	84.0	.110	.140	.105	.055	-.025	-.370
94	94.0	.117	.142	.120	.091	.021	-.191
95	3.0	.544	.545	.480	.418	.410	.433
96	10.0	.256	.270	.220	.175	.180	.215
97	25.0	.010	.009	-.049	-.101	-.103	-.065
98	41.0	-.098	-.120	-.192	-.300	-.329	-.284
99	52.5	-.102	-.125	-.199	-.330	-.470	-.430
100	62.5	-.056	-.069	-.130	-.234	-.530	-.520
101	72.5	.019	.031	-.010	-.055	-.392	-.495
102	86.3	.144	.168	.130	.070	.020	-.449
103	94.5	.195	.229	.179	.090	.069	-.130
104	3.0	.548	.540	.470	.409	.405	.430
105	10.0	.240	.250	.196	.150	.159	.190
106	25.0	.010	.000	-.060	-.119	-.111	-.070
107	41.0	-.098	-.130	-.210	-.330	-.341	-.295
108	52.5	-.100	-.131	-.215	-.370	-.489	-.440
109	62.5	-.043	-.070	-.145	-.290	-.551	-.541
110	72.5	.008	-.009	-.075	-.161	-.495	-.540
111	85.1	.148	.168	.109	.049	-.111	-.471
112	94.6	.230	.260	.180	.109	.098	-.181
113	3.0	.538	.520	.450	.480	.381	.411
114	10.0	.250	.251	.198	.152	.160	.199
115	25.0	.012	-.004	-.070	-.130	-.120	-.080
116	41.0	-.091	-.131	-.225	-.250	-.345	-.295
117	52.5	-.092	-.130	-.225	-.403	-.481	-.431
118	62.5	-.048	-.070	-.155	-.320	-.574	-.546
119	72.5	.007	-.030	-.120	-.170	-.519	-.530
120	87.4	.174	.197	.130	.071	-.330	-.431
121	94.2	.193	.220	.120	.048	-.021	-.335
122	3.0	.580	.580	.507	.438	.431	.455
123	10.0	.264	.275	.219	.169	.175	-.205
124	25.0	.030	.030	-.048	-.101	.100	-.053
125	41.0	-.073	-.100	-.198	-.314	-.322	-.280
126	52.5	-.064	-.085	-.189	-.329	-.430	-.391
127	62.5	-.051	-.055	-.155	-.271	-.520	-.501
128	72.5	.022	.010	-.100	-.220	-.470	-.530
129	78.0	.070	.089	.062	-.110	-.451	-.485
130	85.3	.162	.182	.125	.070	-.282	-.460
131	94.1	.188	.236	.115	.050	.000	-.280
132	3.0	.570	.561	.490	.420	.418	.439
133	10.0	.266	.278	.220	.170	.180	.210
134	25.0	.032	.037	-.045	-.103	-.095	-.060
135	41.0	-.080	-.095	-.192	-.308	-.310	-.270
136	52.5	-.089	-.105	-.211	-.365	-.470	-.422
137	62.5	-.028	-.040	-.140	-.279	-.531	-.530
138	72.5	.028	.000	-.100	-.228	-.470	-.502
139	83.4	.169	.180	.100	.039	-.325	-.432
140	94.0	.140	.149	.010	-.076	-.122	-.390
141	3.0	.565	.567	.500	.430	.448	.450
142	10.0	.239	.250	.191	.142	.152	.180
143	25.0	.018	.005	-.062	-.121	-.115	-.080
144	41.0	-.088	-.120	-.218	-.340	-.335	-.295
145	52.5	-.080	-.110	-.210	-.365	-.490	-.449
146	62.5	-.031	-.048	-.135	-.280	-.521	-.510
147	72.5	.031	.010	-.089	-.189	-.472	-.520
148	84.0	.200	.215	.142	.065	-.328	-.415
149	92.0	.142	.157	.030	-.060	-.100	-.341
150	3.0	.470	.490	.440	.380	.385	.400
151	10.0	.160	.170	.131	.091	.110	.135
152	25.0	-.043	-.080	-.130	-.181	-.181	-.160
153	41.0	-.153	-.191	-.360	-.363	-.376	-.349
154	52.5	-.138	-.183	-.350	-.365	-.502	-.470
155	62.5	-.078	-.120	-.180	-.295	-.485	-.505
156	72.5	-.030	-.080	-.141	-.230	-.419	-.509
157	84.9	.090	.084	.070	.039	-.015	-.305

NACA

TABLE 5

$$[\Lambda = 0^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 7^\circ]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.75	0.80	0.85	0.89	0.925
A 1	2.0	-1.560	-1.803	-1.487	-1.231	-1.040	-0.880
2	6.0	-1.561	-1.768	-1.470	-1.222	-1.060	-.917
3	15.0	-1.419	-1.569	-1.314	-1.090	-.931	-.801
4	27.5	-.894	-1.220	-1.196	-1.050	-.927	-.811
5	40.0	-.529	-.610	-.720	-.932	-.898	-.804
6	50.0	-.400	-.489	-.492	-.613	-.889	-.845
7	59.0	-.311	-.381	-.430	-.481	-.749	-.912
8	67.5	--	--	--	--	--	--
9	77.5	-.140	-.167	-.261	-.369	-.460	-.930
10	87.5	-.067	-.088	-.183	-.322	-.412	-.846
11	96.0	-.025	-.042	-.132	-.271	-.351	-.669
B12	2.0	-2.350	-1.510	-1.159	-.861	-.672	-.528
13	6.0	-2.248	-1.521	-1.221	-.972	-.813	-.684
14	15.0	-1.091	-1.450	-1.211	-1.020	-.870	-.730
15	27.5	-.869	-1.331	-1.122	-1.000	-.950	-.882
16	40.0	-.688	-.825	-.738	-.726	-.900	-.950
17	50.0	-.548	-.620	-.639	-.620	-.736	-.924
18	59.0	-.410	-.473	-.571	-.576	-.651	-1.000
19	67.5	-.283	-.364	-.520	-.558	-.621	-1.010
20	77.5	-.166	-.261	-.450	-.540	-.600	-1.015
21	88.0	-.070	-.163	-.363	-.580	-.564	-.956
22	95.3	-.030	-.112	-.303	-.461	-.540	-.912
C23	2.0	-2.440	-1.401	-1.020	-.726	-.564	-.440
24	6.0	-2.323	-1.450	-1.150	-.917	-.770	-.630
25	15.0	-1.002	-1.390	-1.156	-.955	-.810	-.683
26	27.5	-.880	-1.280	-1.076	-.927	-.890	-.802
27	40.0	-.763	-.819	-.760	-.861	-.838	-.888
28	50.0	-.638	-.670	-.645	-.671	-.759	-.916
29	59.0	-.482	-.540	-.572	-.607	-.673	-1.030
30	67.5	-.318	-.435	-.514	-.568	-.620	-1.032
31	77.5	-.163	-.340	-.470	-.562	-.610	-1.020
32	88.0	-.040	-.245	-.402	-.512	-.580	-.984
33	95.3	.011	-.173	-.300	-.420	-.484	-.908
D34	2.0	-2.412	-1.375	-1.020	-.759	-.610	-.491
35	15.0	-1.045	-1.391	-1.150	-.932	-.786	-.661
36	27.5	-.880	-1.295	-1.100	-1.014	-.880	-.760
37	40.0	-.790	-.910	-.991	-1.000	-.950	-.870
38	50.0	-.662	-.686	-.730	-.869	-.894	-.970
39	59.0	-.503	-.569	-.620	-.688	-.730	-.938
40	67.5	-.330	-.458	-.562	-.680	-.720	-1.018
41	77.5	-.170	-.350	-.485	-.640	-.706	-1.060
42	87.5	-.040	-.251	-.400	-.550	-.669	-1.018
43	94.2	.020	-.197	-.342	-.488	-.632	-.987
E44	2.0	-2.433	-1.426	-1.075	-.798	-.624	-.470
45	6.0	-2.362	-1.490	-1.200	-.950	-.785	-.642
46	15.0	-1.200	-1.393	-1.178	-.982	-.834	-.703
47	27.5	-.888	-1.300	-1.091	-.930	-.893	-.788
48	40.0	-.764	-.845	-.820	-.910	-.840	-.880
49	50.0	-.630	-.660	-.650	-.724	-.832	-.972
50	59.0	-.472	-.550	-.582	-.635	-.759	-.998
51	67.5	-.318	-.460	-.537	-.593	-.690	-1.036
52	77.5	-.157	-.361	-.481	-.560	-.642	-.993
53	88.5	-.032	-.284	-.430	-.540	-.623	-.982
54	95.5	.020	-.230	-.392	-.512	-.606	-.978
F55	2.0	-2.344	-1.484	-1.120	-.810	-.627	-.470
56	6.0	-2.328	-1.499	-1.195	-.940	-.780	-.640
57	15.0	-1.231	-1.366	-1.154	-.971	-.823	-.693
58	27.5	--	--	--	--	--	--
59	49.0	-.756	-.810	-.791	-.904	-.848	-.880
60	50.0	-.616	-.650	-.636	-.742	-.838	-.962
61	59.0	-.462	-.550	-.571	-.651	-.782	-.990
62	67.5	-.310	-.460	-.525	-.609	-.714	-1.010
63	86.5	-.048	-.311	-.442	-.548	-.641	-.973
64	94.6	.016	-.250	-.401	-.512	-.610	-.931
G65	2.0	-2.235	-1.458	-1.086	-.770	-.590	-.438
66	6.0	-2.213	-1.482	-1.180	-.930	-.769	-.622
67	15.0	-1.102	-1.369	-1.138	-.963	-.818	-.680
68	27.5	-.827	-1.301	-1.060	-.890	-.857	-.760
69	40.0	-.731	-.887	-.822	-.851	-.814	-.860
70	50.0	-.602	-.680	-.660	-.694	-.793	-.927
71	59.0	-.442	-.548	-.581	-.611	-.725	-.940
72	67.5	-.300	-.440	-.530	-.580	-.672	-.954
73	77.5	-.141	-.331	-.471	-.551	-.634	-.924
74	87.2	-.039	-.234	-.402	-.510	-.580	-.890
75	96.8	.023	-.152	-.320	-.440	-.519	-.811
H76	2.0	-1.852	-1.370	-1.042	-.773	-.608	-.450
77	6.0	-1.710	-1.401	-1.133	-.900	-.745	-.601
78	15.0	-.761	-1.319	-1.132	-.946	-.810	-.690
79	27.5	--	--	--	--	--	--
80	40.0	-.600	-.718	-.956	-.880	-.850	-.810
81	50.0	-.523	-.609	-.795	-.875	-.820	-.880
82	59.0	-.392	-.454	-.494	-.808	-.820	-.898
83	67.5	-.264	-.308	-.374	-.684	-.810	-.873
84	88.0	-.068	-.084	-.151	-.353	-.531	-.685
85	94.2	-.058	-.057	.076	-.206	-.401	-.406

LOWER SURFACE

Tube	Per-cent chord	0.60	0.75	0.80	0.85	0.89	0.925
86	3.0	0.800	0.860	0.733	0.695	--	--
87	10.0	--	--	--	--	--	--
88	25.0	.163	.190	.101	.075	.079	.098
89	41.0	.011	-.018	-.085	-.142	-.169	-.151
90	52.5	.013	-.060	-.100	-.168	-.225	-.220
91	62.5	.004	-.085	-.093	-.150	-.230	-.325
92	72.5	.003	-.130	-.085	-.145	-.165	-.364
93	84.0	.111	-.030	-.052	.000	-.005	-.059
94	94.0	.100	-.110	-.051	-.011	-.012	-.040
95	3.0	.798	.842	.705	.670	.660	.665
96	10.0	.463	.525	.400	.373	.378	.390
97	25.0	.160	.187	.081	.052	.057	.079
98	41.0	.008	-.028	-.110	-.170	-.190	-.165
99	52.5	-.030	-.105	-.157	-.241	-.312	-.301
100	62.5	-.006	-.109	-.130	-.201	-.309	-.407
101	72.5	.048	-.070	-.050	-.105	-.132	-.341
102	86.3	.128	-.030	.054	.025	.041	-.100
103	94.5	.160	-.075	.050	.020	.045	.089
104	3.0	.803	.850	.695	.660	.649	.650
105	10.0	.459	.512	.387	.350	.350	.368
106	25.0	.169	.190	.049	.049	.049	.072
107	41.0	.015	-.022	-.121	-.189	-.202	-.175
108	52.5	-.024	-.104	-.178	-.270	-.350	-.320
109	62.5	-.001	-.105	-.140	-.215	-.320	-.422
110	72.5	.050	-.043	-.070	-.153	-.280	-.370
111	85.1	.148	.005	.055	.037	.060	-.274
112	94.6	.217	.050	.098	.075	.100	.139
113	3.0	.800	.840	.674	.631	.620	.738
114	10.0	.470	.520	.379	.351	.350	.369
115	25.0	.173	.191	.069	.031	.039	.068
116	41.0	.020	-.018	-.130	-.199	-.211	-.180
117	52.5	-.010	-.090	-.180	-.279	-.345	-.310
118	62.5	.009	-.090	-.145	-.224	-.360	-.430
119	72.5	.069	-.030	-.079	-.170	-.311	-.380
120	87.4	.163	.041	.080	.071	.060	-.335
121	94.2	.180	.040	.050	.030	.059	.020
122	3.0	.820	.869	.715	.674	.665	.660
123	10.0	.480	.530	.385	.360	.360	.370
124	25.0	.188	.210	.085	.057	.059	.079
125	41.0	.040	.005	-.109	-.170	-.184	-.161
126	52.5	.019	-.052	-.149	-.221	-.271	-.262
127	62.5	.011	-.090	-.160	-.227	-.290	-.388
128	72.5	.065	-.045	-.089	-.150	-.221	-.350
129	78.0	.090	-.030	-.060	-.120	-.195	-.314
130	85.3	.120	.000	-.040	-.052	.100	-.279
131	94.1	.198	.000	.049	.041	.071	.085
132	3.0	.818	.860	.700	.660	.650	.649
133	10.0	.480	.535	.389	.360	.361	.370
134	25.0	.188	.210	.085	.056	.059	.079
135	41.0	.043	.010	-.107	-.165	-.179	-.150
136	52.5	.000	-.075	-.175	-.259	-.329	-.310
137	62.5	.028	-.075	-.140	-.209	-.275	-.410
138	72.5	.080	-.030	-.075	-.145	-.230	-.342
139	83.4	.160	.050	.030	.025	.080	-.282
140	94.0	.110	-.100	-.100	-.118	-.081	-.130
141	3.0	.810	.858	.704	.664	.655	.655
142	10.0	.450	.505	.360	.331	.338	.350
143	25.0	.170	.191	.065	.030	.038	.059
144	41.0	.020	-.019	-.138	-.205	-.215	-.181
145	52.5	.010	-.083	-.180	-.280	-.370	-.341
146	62.5	.030	-.070	-.130	-.220	-.355	-.435
147	72.5	.078	-.033	-.072	-.150	-.258	-.385
148	84.0	.121	.015	-.018	-.015	.105	-.294
149	92.0	.120	-.090	-.055	-.084	-.060	-.165
150	3.0	.730	.804	.645	.603	.595	.594
151	10.0	.350	.420	.280	.259	.262	.280
152	25.0	.070	.090	-.030	-.061	-.060	-.039
153	41.0	-.068	-.101	-.205	-.280	-.291	-.260
154	52.5	-.090	-.150	-.233	-.340	-.430	-.403
155	62.5	-.050	-.120	-.180	-.280	-.405	-.435
156	72.5	.004	-.080	-.119	-.220	-.350	-.445
157	84.9	.050	-.050	.000	-.085	-.151	-.220

NACA

TABLE 6

$$\left[\Lambda = 0^{\circ},\ \delta_{a_n} = 0^{\circ},\ \alpha = 10^{\circ}\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.75	0.80			
A 1	2.0	-0.582	-0.555	-0.580			
2	6.0	-.579	-.553	-.579			
3	15.0	-.579	-.542	-.565			
4	27.5	-.594	-.550	-.566			
5	40.0	-.620	-.565	-.580			
6	50.0	-.638	-.581	-.597			
7	59.0	-.638	-.600	-.611			
8	67.5	--	--	--			
9	77.5	-.569	-.600	-.621			
10	87.5	-.497	-.572	-.600			
11	96.0	-.439	-.542	-.567			
B12	2.0	-1.003	-.599	-.900			
13	6.0	-.736	-.543	-.832			
14	15.0	-.620	-.542	-.592			
15	27.5	-.620	-.550	-.570			
16	40.0	-.640	-.570	-.580			
17	50.0	-.650	-.591	-.598			
18	59.0	-.660	-.620	-.621			
19	67.5	-.665	-.641	-.644			
20	77.5	-.648	-.660	-.669			
21	88.0	-.588	-.642	-.660			
22	95.3	-.532	-.611	-.647			
C23	2.0	-1.898	-1.640	-1.346			
24	6.0	-1.734	-1.567	-1.368			
25	15.0	-1.292	-1.446	-1.267			
26	27.5	-.826	-.906	-1.128			
27	40.0	-.660	-.660	-.722			
28	50.0	-.602	-.629	-.640			
29	59.0	-.550	-.618	-.610			
30	67.5	-.483	-.591	-.578			
31	77.5	-.455	-.609	-.588			
32	88.0	-.382	-.571	-.546			
33	95.3	-.280	-.467	-.450			
D34	2.0	-1.988	-1.614	-1.330			
35	15.0	-1.462	-1.435	-1.272			
36	27.5	-1.000	-1.159	-1.142			
37	40.0	-.720	-.836	-.829			
38	50.0	-.569	-.681	-.733			
39	59.0	-.461	-.570	-.663			
40	67.5	-.365	-.488	-.624			
41	77.5	-.284	-.410	-.560			
42	87.5	-.220	-.338	-.485			
43	94.2	-.190	-.291	-.440			
E44	2.0	-1.800	-1.535	-1.374			
45	6.0	-1.614	-1.365	-1.360			
46	15.0	-1.398	-1.160	-1.230			
47	27.5	-1.020	-.905	-.978			
48	40.0	-.727	-.789	-.776			
49	50.0	-.570	-.730	-.708			
50	53.0	-.469	-.681	-.669			
51	67.5	-.400	-.632	-.630			
52	77.5	-.330	-.564	-.590			
53	88.5	-.275	-.490	-.547			
54	95.5	-.242	-.433	-.512			
F55	2.0	-1.640	-1.560	-1.397			
56	6.0	-1.540	-1.485	-1.350			
57	15.0	-1.362	-1.302	-1.231			
58	27.5	--	--	--			
59	49.0	-.741	-.809	-.800			
60	50.0	-.590	-.717	-.728			
61	59.0	-.489	-.650	-.680			
62	67.5	-.412	-.589	-.640			
63	86.5	-.297	-.460	-.550			
64	94.6	-.256	-.400	-.502			
G65	2.0	-1.588	-1.281	-1.327			
66	6.0	-1.560	-1.223	-1.241			
67	15.0	-1.352	-.997	-1.121			
68	27.5	-1.060	-.849	-.870			
69	40.0	-.777	-.772	-.743			
70	50.0	-.608	-.723	-.692			
71	59.0	-.490	-.679	-.660			
72	67.5	-.405	-.639	-.634			
73	77.5	-.320	-.582	-.600			
74	87.2	-.242	-.509	-.547			
75	96.8	-.180	-.408	-.460			
H76	2.0	-1.950	-1.608	-1.337			
77	6.0	-1.961	-1.521	-1.360			
78	15.0	-1.121	-1.410	-1.228			
79	27.5	--	--	--			
80	40.0	-.628	-.688	-.851			
81	50.0	-.546	-.610	-.727			
82	59.0	-.430	-.518	-.641			
83	67.5	-.315	-.402	-.551			
84	88.3	-.128	-.218	-.350			
85	94.2	-.023	-.023	.084			

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.75	0.80			
86	3.0	0.830	0.780	0.840			
87	10.0	--	--	--			
88	25.0	.162	.150	.180			
89	41.0	.003	-.028	-.033			
90	52.5	-.020	-.034	-.070			
91	62.5	-.052	-.029	-.104			
92	72.5	-.092	-.020	-.132			
93	84.0	-.012	.100	-.030			
94	94.0	-.086	.090	-.075			
95	3.0	.833	.756	.820			
96	10.0	.508	.440	.510			
97	25.0	.189	.130	.171			
98	41.0	.000	-.045	-.048			
99	52.5	-.066	-.075	-.130			
100	62.5	-.070	-.059	-.130			
101	72.5	-.042	.013	-.080			
102	86.3	-.020	.115	-.022			
103	94.5	-.080	.130	-.040			
104	3.0	.860	.750	.815			
105	10.0	.518	.422	.491			
106	25.0	.200	.130	.172			
107	41.0	.013	-.048	-.050			
108	52.5	-.051	-.090	-.137			
109	62.5	-.058	-.060	-.131			
110	72.5	-.012	.009	-.069			
111	85.1	.028	.110	-.019			
112	94.6	.044	.160	.061			
113	3.0	.865	.738	.800			
114	10.0	.532	.430	.491			
115	25.0	.210	.129	.179			
116	41.0	.030	-.048	-.050			
117	52.5	-.030	-.090	-.130			
118	62.5	-.036	-.060	-.130			
119	72.5	.012	.005	-.062			
120	87.4	.078	.130	.009			
121	94.2	.060	.115	.010			
122	3.0	.880	.765	.843			
123	10.0	.538	.435	.505			
124	25.0	.220	.140	.190			
125	41.0	.040	-.032	-.025			
126	52.5	-.010	-.061	-.090			
127	62.5	-.040	-.070	-.130			
128	72.5	.000	-.010	-.079			
129	78.0	.010	.019	-.060			
130	85.3	.040	.059	-.029			
131	94.1	.034	.109	-.020			
132	3.0	.873	.758	.820			
133	10.0	.535	.449	.505			
134	25.0	.220	.141	.189			
135	41.0	.048	-.030	-.020			
136	52.5	-.020	-.180	-.113			
137	62.5	-.020	-.052	-.109			
138	72.5	.014	.009	-.060			
139	83.4	.071	.100	.030			
140	94.0	-.048	-.004	-.139			
141	3.0	.872	.760	.825			
142	10.0	.518	.415	.480			
143	25.0	.210	.125	.169			
144	41.0	.032	-.050	-.055			
145	52.5	-.016	-.082	-.130			
146	62.5	.000	-.033	-.110			
147	72.5	.028	.018	-.069			
148	84.0	.065	.078	-.020			
149	92.0	-.013	.049	-.110			
150	3.0	.029	.700	.765			
151	10.0	.434	.330	.395			
152	25.0	.119	.030	.060			
153	41.0	-.042	-.121	-.150			
154	52.5	-.081	-.145	-.210			
155	62.5	-.058	-.095	-.182			
156	72.5	-.017	-.033	-.142			
157	84.9	.004	.050	-.125			

NACA

TABLE 7

$$\left[\Lambda = 30^{\circ},\ \delta_{a_n} = 0^{\circ},\ \alpha = -2^{\circ}\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89
A 1	2.0	0.310	0.352	0.385	
2	6.0	.104	.140	.160	
3	15.0	−.028	−.005	.015	
4	27.5	−.105	−.103	−.090	
5	40.0	− −	− −	− −	
6	50.0	− −	− −	− −	
7	59.0	− −	− −	− −	
8	67.5	− −	− −	− −	
9	77.5	− −	− −	− −	
10	87.5	− −	− −	− −	
11	96.0	− −	− −	− −	
B12	2.0	.308	.348	.370	
13	6.0	.080	.107	.125	
14	15.0	−.078	−.070	−.051	
15	27.5	−.182	−.198	−.191	
16	40.0	−.253	−.303	−.318	
17	50.0	−.272	−.345	−.368	
18	59.0	−.251	−.330	−.385	
19	67.5	−.201	−.270	−.320	
20	77.5	−.140	−.190	−.218	
21	88.0	−.023	−.032	−.050	
22	95.3	− −	− −	− −	
C23	2.0	.310	.348	.360	
24	6.0	.071	.090	.110	
25	15.0	−.100	−.105	−.091	
26	27.5	−.206	−.244	−.243	
27	40.0	−.280	−.360	−.389	
28	50.0	−.290	−.389	−.440	
29	59.0	−.262	−.341	−.395	
30	67.5	−.208	− −	− −	
31	77.5	−.100	−.140	−.140	
32	88.0	.010	−.004	.000	
33	95.3	.090	.081	.100	
D34	2.0	−.265	.303	.314	
35	15.0	−.104	−.120	−.119	
36	27.5	−.210	−.262	−.279	
37	40.0	−.281	−.374	−.420	
38	50.0	−.288	−.381	−.441	
39	59.0	−.247	−.325	−.370	
40	67.5	−.200	−.290	−.341	
41	77.5	−.105	−.055	−.060	
42	87.5	.030	.030	.048	
43	94.2	.096	.110	.118	
E44	2.0	.354	.379	.387	.390
45	6.0	.082	.095	.100	.100
46	15.0	−.088	−.102	−.108	−.108
47	27.5	−.192	−.238	−.258	−.268
48	40.0	−.264	−.338	−.388	−.431
49	50.0	−.270	−.342	−.400	−.518
50	59.0	−.234	−.295	−.343	−.450
51	67.5	−.188	−.244	−.263	−.218
52	77.5	−.040	−.033	−.041	−.030
53	88.5	.160	.158	.160	.170
54	95.5	.127	.148	.153	.170
F55	2.0	.330	.358	.365	.362
56	6.0	.090	.098	.102	.110
57	15.0	−.083	−.100	−.105	−.110
58	27.5	−.190	−.232	−.253	−.270
59	49.0	−.261	−.335	−.383	−.438
60	50.0	−.261	−.336	−.389	−.479
61	59.0	−.228	−.283	−.322	−.421
62	67.5	−.158	−.202	−.221	−.180
63	86.5	− −	− −	− −	− −
64	94.6	− −	− −	− −	− −
G65	2.0	.350	.378	.383	.380
66	6.0	.098	.108	.110	.114
67	15.0	−.071	−.082	−.091	−.097
68	27.5	−.174	−.218	−.240	−.252
69	40.0	−.250	−.318	−.360	−.402
70	50.0	−.253	−.323	−.372	−.430
71	59.0	−.209	−.260	−.304	−.362
72	67.5	−.160	−.224	−.270	−.280
73	77.5	−.138	−.088	−.002	.011
74	87.2	− −	− −	− −	− −
75	96.8	.118	.135	.130	.152
H76	2.0	.290	.310	.319	.329
77	6.0	.045	.040	.042	.049
78	15.0	−.097	−.131	−.148	−.151
79	27.5	−.194	−.252	−.292	−.330
80	40.0	−.250	−.320	−.370	−.451
81	50.0	−.253	−.311	−.347	−.390
82	59.0	−.200	−.247	−.282	−.361
83	67.5	−.140	−.189	−.201	−.100
84	88.3	.050	.070	.080	.111
85	94.2	.089	.111	.128	.152

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89
86	3.0	−0.395	−0.364	−0.410	
87	10.0	− −	− −	− −	
88	25.0	−.230	−.250	−.283	
89	41.0	− −	− −	− −	
90	52.5	− −	− −	− −	
91	62.5	− −	− −	− −	
92	72.5	− −	− −	− −	
93	84.0	− −	− −	− −	
94	94.0	− −	− −	− −	
95	3.0	−.455	−.508	−.519	
96	10.0	−.293	−.340	−.372	
97	25.0	−.272	−.342	−.371	
98	41.0	−.273	−.365	−.444	
99	52.5	−.230	−.322	−.431	
100	62.5	−.168	−.235	−.300	
101	72.5	−.090	−.130	−.161	
102	86.3	.009	−.011	−.029	
103	94.5	− −	− −	− −	
104	3.0	−.484	−.571	−.605	
105	10.0	−.342	−.413	−.445	
106	25.0	−.302	−.390	−.435	
107	41.0	−.290	−.393	−.523	
108	52.5	−.243	−.322	−.405	
109	62.5	−.169	−.211	−.230	
110	72.5	−.062	−.075	−.081	
111	85.1	.049	.050	.049	
112	94.6	.130	.150	.140	
113	3.0	−.495	−.620	−.694	
114	10.0	−.331	−.429	−.485	
115	25.0	−.310	−.411	−.500	
116	41.0	− −	− −	− −	
117	52.5	−.240	−.303	−.329	
118	62.5	−.150	−.180	−.183	
119	72.5	−.041	−.049	−.042	
120	87.4	.080	.085	.098	
121	94.2	.128	.139	.141	
122	3.0	−.491	−.610	−.705	−.719
123	10.0	−.350	−.430	−.500	−.512
124	25.0	−.300	−.382	−.470	−.555
125	41.0	−.268	−.338	−.400	−.582
126	52.5	−.204	−.244	−.253	−.479
127	62.5	−.142	−.162	−.171	−.121
128	72.5	−.039	−.031	−.030	.020
129	78.0	.019	.035	.040	.075
130	85.3	.097	.120	.128	.152
131	94.1	.151	.180	.188	.205
132	3.0	.517	.644	−.753	−.725
133	10.0	−.348	−.441	−.530	−.565
134	25.0	−.298	−.378	−.442	−.575
135	41.0	−.262	−.332	−.382	−.575
136	52.5	−.210	−.255	−.276	−.407
137	62.5	−.122	−.134	−.138	−.080
138	72.5	−.019	−.010	−.004	.028
139	83.4	.060	.080	.084	.185
140	94.0	.110	.136	.141	.160
141	3.0	−.510	−.640	−.751	−.755
142	10.0	−.361	−.460	−.554	−.652
143	25.0	−.297	−.380	−.458	−.590
144	41.0	−.260	−.325	−.362	−.533
145	52.5	−.200	−.232	−.238	−.249
146	62.5	−.084	−.090	−.114	−.048
147	72.5	−.008	.005	.012	.048
148	84.0	.116	.138	.146	.180
149	92.0	.104	.135	.148	.170
150	3.0	−.480	−.631	−.768	−.839
151	10.0	−.320	−.389	−.500	−.679
152	25.0	−.270	−.340	−.380	−.560
153	41.0	−.229	−.270	−.281	−.248
154	52.5	−.161	−.172	−.170	−.099
155	62.5	−.068	−.060	−.050	−.009
156	72.5	.008	.030	.040	.071
157	84.9	.122	.160	.169	.185

NACA

TABLE 8

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 0^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	0.035	0.110	0.135	0.145	0.190	0.238
2	6.0	-.095	-.049	-.030	-.018	.030	.080
3	15.0	-.165	-.141	-.128	-.113	-.068	-.011
4	27.5	-.205	-.210	-.200	-.190	-.144	-.082
5	40.0	--	--	--	--	--	--
6	50.0	--	--	--	--	--	--
7	59.0	--	--	--	--	--	--
8	67.5	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	.018	.082	.110	.123	.171	.210
13	6.0	-.130	-.098	-.076	-.061	-.013	.040
14	15.0	-.215	-.214	-.201	-.191	-.143	-.076
15	27.5	-.281	-.315	-.310	-.300	-.250	-.175
16	40.0	-.335	-.408	-.422	-.421	-.362	-.300
17	50.0	-.335	-.432	-.488	-.499	-.440	-.362
18	59.0	-.300	-.410	-.508	-.530	-.472	-.423
19	67.5	-.240	-.322	-.430	-.540	-.490	-.409
20	77.5	-.167	-.221	-.270	-.482	-.489	-.410
21	88.0	-.056	-.035	-.095	-.200	-.340	-.342
22	95.3	--	--	--	--	--	--
C23	2.0	.002	.070	.099	.114	.160	.202
24	6.0	-.150	-.121	-.101	-.089	-.038	.010
25	15.0	-.250	-.261	-.253	-.242	-.192	-.139
26	27.5	-.322	-.371	-.380	-.370	-.313	-.254
27	40.0	-.370	-.471	-.510	-.508	-.450	-.380
28	50.0	-.352	-.470	-.580	-.598	-.539	-.470
29	59.0	-.318	-.414	-.552	-.658	-.623	-.543
30	67.5	--	--	--	--	--	--
31	77.5	-.119	-.155	-.154	-.352	-.559	-.520
32	88.0	-.004	-.010	-.008	-.041	-.160	-.340
33	95.3	.080	.080	.185	.062	.009	-.030
D34	2.0	-.060	.003	.019	.038	.082	.130
35	15.0	-.264	-.295	-.295	-.282	-.231	-.174
36	27.5	-.322	-.412	-.422	-.415	-.361	-.296
37	40.0	-.370	-.495	-.580	-.570	-.510	-.440
38	50.0	-.355	-.470	-.590	-.647	-.615	-.542
39	59.0	-.301	-.390	-.525	-.587	-.583	-.581
40	67.5	-.270	-.389	-.478	-.560	-.572	-.582
41	77.5	-.068	-.060	-.052	-.312	-.400	-.551
42	87.5	-.008	.027	.041	-.018	-.233	-.371
43	94.2	.088	.110	.115	.052	-.110	-.176
E44	2.0	.018	.065	.096	.148	.188	.208
45	6.0	-.152	-.155	-.138	-.100	-.060	-.029
46	15.0	-.250	-.290	-.298	-.268	-.231	-.196
47	27.5	-.310	-.389	-.421	-.400	-.360	-.321
48	40.0	-.351	-.470	-.560	-.549	-.502	-.458
49	50.0	-.332	-.441	-.551	-.675	-.631	-.580
50	59.0	-.284	-.371	-.481	-.621	-.641	-.618
51	67.5	-.240	-.300	-.221	-.396	-.512	-.530
52	77.5	-.051	-.064	-.054	-.102	-.295	-.362
53	88.5	.150	.120	.160	.040	-.024	-.161
54	95.5	.128	.146	.160	.090	.036	-.085
F55	2.0	-.010	.030	.059	.110	.150	.171
56	6.0	-.150	-.158	-.141	-.100	-.060	-.030
57	15.0	-.250	-.298	-.308	-.281	-.248	-.212
58	27.5	-.303	-.392	-.426	-.411	-.374	-.335
59	49.0	-.350	-.470	-.560	-.564	-.522	-.484
60	50.0	-.328	-.435	-.518	-.651	-.648	-.600
61	59.0	-.280	-.370	-.471	-.600	-.610	-.623
62	67.5	-.191	-.242	-.200	-.462	-.613	-.607
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	.002	.040	.062	.110	.160	.173
66	6.0	-.151	-.168	-.154	-.121	-.080	-.056
67	15.0	-.242	-.288	-.300	-.281	-.250	-.220
68	27.5	-.290	-.376	-.412	-.420	-.390	-.353
69	40.0	-.336	-.444	-.508	-.560	-.500	-.467
70	50.0	-.320	-.420	-.475	-.538	-.451	-.452
71	59.0	-.258	-.352	-.420	-.505	-.430	-.423
72	67.5	-.222	-.330	-.314	-.330	-.351	-.330
73	77.5	-.008	-.002	-.007	-.054	-.198	-.242
74	87.2	--	--	--	--	--	--
75	96.8	.111	.130	.150	.147	.028	-.133
H76	2.0	-.020	-.009	.012	.051	.110	.128
77	6.0	-.176	-.214	-.216	-.190	-.148	-.120
78	15.0	-.230	-.302	-.330	-.330	-.290	-.258
79	27.5	-.280	-.371	-.435	-.472	-.443	-.400
80	40.0	-.310	-.407	-.452	-.551	-.541	-.376
81	50.0	-.293	-.361	-.391	-.490	-.484	-.380
82	59.0	-.240	-.309	-.358	-.452	-.465	-.340
83	67.5	-.171	-.200	-.100	-.064	-.136	-.282
84	88.3	.048	.078	.097	.114	.027	-.120
85	94.2	.090	.115	.140	.150	.060	-.070

LOWER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	-0.072	-0.081	-0.070	-0.055	-0.021	0.028
87	10.0	--	--	--	--	--	--
88	25.0	-.121	-.158	-.160	-.151	-.121	-.072
89	41.0	--	--	--	--	--	--
90	52.5	--	--	--	--	--	--
91	62.5	--	--	--	--	--	--
92	72.5	--	--	--	--	--	--
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	-.100	-.131	-.120	-.119	-.083	-.031
96	10.0	-.129	-.160	-.158	-.145	-.109	-.054
97	25.0	-.175	-.229	-.241	-.241	-.211	-.153
98	41.0	-.199	-.270	-.309	-.338	-.309	-.255
99	52.5	-.170	-.249	-.303	-.371	-.369	-.302
100	62.5	-.124	-.181	-.219	-.320	-.413	-.368
101	72.5	-.051	-.092	-.111	-.153	-.341	-.320
102	86.3	.039	.018	.009	-.015	-.140	-.230
103	94.5	--	--	--	--	--	--
104	3.0	-.105	-.150	-.160	-.160	-.121	-.058
105	10.0	-.148	-.201	-.213	-.218	-.181	-.120
106	25.0	-.185	-.259	-.289	-.289	-.272	-.221
107	41.0	-.210	-.291	-.341	-.421	-.409	-.343
108	52.5	-.180	-.255	-.300	-.433	-.480	-.421
109	62.5	-.121	-.170	-.191	-.245	-.505	-.471
110	72.5	-.024	-.049	-.055	-.060	-.311	-.403
111	85.1	.071	.070	.071	.069	.020	-.125
112	94.6	.166	.270	.175	.179	.161	.072
113	3.0	-.100	-.161	-.185	-.205	-.171	-.114
114	10.0	-.125	-.175	-.210	-.229	-.197	-.141
115	25.0	-.190	-.268	-.309	-.351	-.330	-.272
116	41.0	--	--	--	--	--	--
117	52.5	-.171	-.234	-.269	-.378	-.537	-.495
118	62.5	-.110	-.160	-.179	-.150	-.500	-.490
119	72.5	-.020	-.019	-.019	-.151	--	-.485
120	87.4	.111	.115	.121	.121	.070	-.119
121	94.2	.154	.160	.169	.160	.120	.107
122	3.0	-.100	-.150	-.163	-.202	-.200	-.155
123	10.0	-.151	-.210	-.230	-.272	-.250	-.212
124	25.0	-.187	-.252	-.280	-.340	-.362	-.331
125	41.0	-.195	-.259	-.284	-.340	-.459	-.445
126	52.5	-.201	-.222	-.276	-.402	-.471	--
127	62.5	-.111	-.160	-.180	-.188	-.362	-.445
128	72.5	-.034	.018	.029	.010	-.019	-.393
129	78.0	.059	.060	.070	.061	.059	-.290
130	85.3	.122	.140	.155	.148	.133	-.149
131	94.1	.170	.193	.209	.188	.160	.025
132	3.0	-.118	-.169	-.180	-.229	-.239	-.194
133	10.0	-.142	-.198	-.219	-.262	-.260	-.218
134	25.0	-.183	-.250	-.271	-.325	-.373	-.349
135	41.0	-.191	-.256	-.281	-.340	-.465	-.455
136	52.5	-.164	-.215	-.234	-.278	-.430	-.542
137	62.5	-.092	-.120	-.125	-.132	-.204	-.505
138	72.5	.009	.009	.019	.012	-.018	-.329
139	83.4	.075	.088	.099	.095	.079	-.125
140	94.0	.119	.131	.149	.145	.138	.045
141	3.0	-.096	-.137	-.142	-.188	-.213	-.179
142	10.0	-.159	-.211	-.235	-.278	-.299	-.261
143	25.0	-.185	-.250	-.275	-.330	-.417	-.408
144	41.0	-.189	-.249	-.269	-.322	-.429	-.495
145	52.5	-.146	-.191	-.209	-.260	-.383	-.509
146	62.5	-.100	-.162	-.160	-.205	-.295	-.506
147	72.5	.052	.070	.080	.062	-.010	-.412
148	84.0	.142	.162	.180	.170	.131	-.209
149	92.0	.119	.138	.154	.132	.085	-.092
150	3.0	-.116	-.167	-.174	-.221	-.279	-.249
151	10.0	-.154	-.219	-.238	-.270	-.290	-.265
152	25.0	-.190	-.260	-.290	-.382	-.479	-.460
153	41.0	-.180	-.228	-.240	-.289	-.420	-.529
154	52.5	-.128	-.162	-.173	-.230	-.389	-.512
155	62.5	-.141	-.125	-.012	-.071	-.455	--
156	72.5	.050	.062	.060	.060	.065	-.309
157	84.9	.120	.148	.182	.158	.121	-.010

NACA

TABLE 9

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 2^\circ\right]$$

CONFIDENTIAL

| | | UPPER SURFACE | | | | | | | | LOWER SURFACE | | | | | |
| | | Mach Number | | | | | | | | Mach Number | | | | | |
Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96	Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-0.300	-0.223	-0.175	-0.105	-0.060	0	86	3.0	-0.164	0.179	0.179	0.179	0.195	0.229
2	6.0	-.310	-.280	-.248	-.204	-.155	-.098	87	10.0	--	--	--	--	--	--
3	15.0	-.285	-.290	-.269	-.233	-.188	-.130	88	25.0	-.048	-.051	-.051	-.050	-.031	.002
4	27.5	-.291	-.325	-.310	-.280	-.232	-.172	89	41.0	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--	90	52.5	--	--	--	--	--	--
6	50.0	--	--	--	--	--	--	91	62.5	--	--	--	--	--	--
7	59.0	--	--	--	--	--	--	92	72.5	--	--	--	--	--	--
8	67.5	--	--	--	--	--	--	93	84.0	--	--	--	--	--	--
9	77.5	--	--	--	--	--	-.-	94	94.0	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--								
11	96.0	--	--	--	--	--	--								
B12	2.0	-.351	-.281	-.222	-.151	-.098	-.040	95	3.0	.152	.152	.149	.139	.150	.184
13	6.0	-.363	-.350	-.310	-.260	-.214	-.150	96	10.0	.010	.009	.003	.004	.020	.058
14	15.0	-.363	-.383	-.360	-.316	-.270	-.210	97	25.0	-.090	-.111	-.121	-.130	-.119	-.079
15	27.5	-.385	-.449	-.430	-.390	-.348	-.288	98	41.0	-.140	-.179	-.201	-.230	-.230	-.191
16	40.0	-.410	-.530	-.532	-.485	-.440	-.372	99	52.5	-.130	-.179	-.211	-.271	-.289	-.248
17	50.0	-.395	-.543	-.600	-.560	-.516	-.452	100	62.5	-.092	-.129	-.160	-.209	-.329	-.310
18	59.0	-.346	-.510	-.619	-.590	-.545	-.500	101	72.5	-.032	-.051	-.079	-.110	-.225	-.260
19	67.5	-.270	-.490	-.604	-.602	-.562	-.490	102	86.3	.050	.040	.030	.001	-.050	-.158
20	77.5	-.189	-.252	-.363	-.577	-.559	-.488	103	94.5	--	--	--	--	--	--
21	88.0	-.075	-.056	-.147	-.280	-.435	-.420								
22	95.3	--	--	--	--	--	--								
C23	2.0	-.400	-.330	-.254	-.175	-.112	-.054	104	3.0	.170	.150	.141	.115	.125	.157
24	6.0	-.400	-.399	-.350	-.290	-.239	-.180	105	10.0	.016	-.007	-.020	-.031	-.021	.018
25	15.0	-.410	-.456	-.432	-.380	-.332	-.270	106	25.0	-.097	-.130	-.151	-.176	-.171	-.135
26	27.5	-.429	-.530	-.520	-.475	-.430	-.369	107	41.0	-.148	-.119	-.232	-.290	-.319	-.272
27	40.0	-.448	-.615	-.638	-.582	-.540	-.463	108	52.5	-.140	-.182	-.220	-.278	-.390	-.359
28	50.0	-.414	-.578	-.700	-.662	-.612	-.547	109	62.5	-.091	-.125	-.150	-.200	-.370	-.409
29	59.0	-.370	-.540	-.692	-.720	-.700	-.631	110	72.5	-.016	-.020	-.035	-.061	-.149	-.310
30	67.5	--	--	--	--	--	--	111	85.1	.077	.181	.081	.078	.029	-.021
31	77.5	-.140	-.179	-.162	-.625	-.646	-.600	112	94.6	.165	.279	.180	.166	.141	.098
32	88.0	-.014	-.020	-.026	-.099	-.272	-.444								
33	95.3	.072	.080	.070	.031	-.070	-.080								
D34	2.0	-.483	-.428	-.340	-.239	-.170	-.110	113	3.0	.183	.256	.129	.091	.081	.120
35	15.0	-.435	-.518	-.485	-.425	-.378	-.318	114	10.0	.038	.010	-.010	-.038	-.040	-.003
36	27.5	-.441	-.580	-.582	-.532	-.490	-.420	115	25.0	-.090	-.130	-.160	-.202	-.221	-.186
37	40.0	-.461	-.655	-.705	-.650	-.603	-.532	116	41.0	--	--	--	--	--	--
38	50.0	-.425	-.591	-.661	-.638	-.675	-.624	117	52.5	-.128	-.168	-.200	-.254	-.410	-.425
39	59.0	-.360	-.512	-.634	-.612	-.620	-.651	118	62.5	-.080	-.108	-.131	-.181	-.351	-.430
40	67.5	-.249	-.329	-.572	-.565	-.630	-.628	119	72.5	.009	.009	-.004	-.030	-.070	-.370
41	77.5	-.125	-.110	-.216	-.390	-.510	-.621	120	87.4	.120	.130	.129	.100	.069	.082
42	87.5	-.005	.020	-.014	-.249	-.375	-.485	121	94.2	.150	.170	.160	.115	.059	.077
43	94.2	.080	.110	.072	-.131	-.284	-.370								
E44	2.0	-.478	-.412	-.320	-.213	-.111	-.060	122	3.0	.208	.181	.160	.122	.085	.098
45	6.0	-.452	-.481	-.432	-.361	-.279	-.231	123	10.0	.033	.010	-.032	-.045	-.072	-.065
46	15.0	-.435	-.521	-.502	-.441	-.378	-.331	124	25.0	-.073	-.110	-.133	-.171	-.220	-.210
47	27.5	-.440	-.570	-.592	-.551	-.491	-.450	125	41.0	-.117	-.151	-.179	-.274	-.335	-.364
48	40.0	-.450	-.617	-.706	-.660	-.600	-.552	126	52.5	-.090	-.120	-.140	-.180	-.281	-.395
49	50.0	-.411	-.552	-.719	-.678	-.665	-.650	127	62.5	-.060	-.080	-.100	-.148	-.240	-.350
50	59.0	-.350	-.511	-.590	-.514	-.563	-.653	128	72.5	-.020	-.050	-.070	-.113	-.105	-.293
51	67.5	-.249	-.236	-.329	-.401	-.440	-.574	129	78.0	.058	.120	.115	.075	.023	-.140
52	77.5	-.098	-.082	-.103	-.278	-.324	-.470	130	85.3	.150	.172	.170	.130	.089	.045
53	88.5	.128	.150	.080	-.145	-.240	-.274	131	94.1	.180	.211	.203	.138	.085	.070
54	95.5	.120	.143	.125	-.074	-.195	-.209								
F55	2.0	-.510	-.458	-.371	-.258	-.147	-.090	132	3.0	.203	.180	.155	.110	.065	.068
56	6.0	-.460	-.491	-.450	-.370	-.281	-.231	133	10.0	.044	.022	-.002	-.039	-.079	-.075
57	15.0	-.440	-.540	-.528	-.468	-.393	-.350	134	25.0	-.070	-.100	-.128	-.170	-.221	-.220
58	27.5	-.440	-.576	-.618	-.577	-.511	-.459	135	41.0	-.111	-.150	-.178	-.230	-.328	-.370
59	40.0	-.450	-.610	-.730	-.690	-.624	-.580	136	52.5	-.102	-.134	-.160	-.220	-.322	-.453
60	50.0	-.402	-.540	-.682	-.698	-.706	-.675	137	62.5	-.051	-.070	-.089	-.139	-.230	-.417
61	59.0	-.348	-.497	-.682	-.684	-.668	-.662	138	72.5	.035	.045	.038	-.002	-.040	-.181
62	67.5	-.230	-.213	-.181	-.593	-.661	-.668	139	83.4	.092	.110	.103	.065	.030	-.020
63	86.5	--	--	--	--	--	--	140	94.0	.125	.152	.140	.085	.040	.009
64	94.6	--	--	--	--	--	--								
G65	2.0	-.511	-.478	-.400	-.273	-.146	-.084	141	3.0	.226	.210	.192	.145	.090	.080
66	6.0	-.471	-.540	-.514	-.430	-.324	-.272	142	10.0	.036	.012	-.003	-.053	-.107	-.109
67	15.0	-.430	-.539	-.540	-.483	-.408	-.361	143	25.0	-.070	-.100	-.126	-.179	-.240	-.260
68	27.5	-.425	-.560	-.622	-.600	-.531	-.490	144	41.0	-.111	-.150	-.179	-.245	-.355	-.403
69	40.0	-.432	-.566	-.651	-.550	-.551	-.565	145	52.5	-.090	-.112	-.139	-.220	-.302	-.439
70	50.0	-.396	-.502	-.600	-.542	-.542	-.578	146	62.5	-.045	-.070	-.109	-.160	-.263	-.429
71	59.0	-.338	-.471	-.592	-.482	-.490	-.560	147	72.5	-.010	-.030	-.029	-.008	-.070	-.331
72	67.5	-.280	-.228	-.224	-.342	-.411	-.506	148	84.0	.174	.195	.190	.152	.121	-.050
73	77.5	-.070	-.049	-.020	-.211	-.318	-.423	149	92.0	.129	.156	.145	.075	.035	-.024
74	87.2	--	--	--	--	--	--								
75	96.8	.110	.140	.160	.038	-.061	-.130								
H76	2.0	-.465	-.502	-.452	-.330	-.202	-.132	150	3.0	.180	.172	.155	.103	.049	.035
77	6.0	-.451	-.580	-.588	-.502	-.393	-.330	151	10.0	.000	-.020	-.043	-.089	-.120	-.119
78	15.0	-.382	-.507	-.591	-.531	-.462	-.410	152	25.0	-.101	-.141	-.183	-.255	-.325	-.344
79	27.5	-.380	-.490	-.632	-.637	-.573	-.450	153	41.0	-.125	-.161	-.199	-.274	-.432	-.490
80	40.0	-.381	-.472	-.560	-.570	-.554	-.423	154	52.5	-.098	-.110	-.134	-.195	-.359	-.523
81	50.0	-.349	-.411	-.500	-.550	-.538	-.388	155	62.5	-.040	-.062	-.079	-.145	-.269	-.499
82	59.0	-.290	-.380	-.272	-.206	-.252	-.298	156	72.5	.038	.078	.048	.021	.018	-.300
83	67.5	-.171	-.083	-.070	-.092	-.170	-.253	157	84.9	.120	.150	.165	.092	.015	-.085
84	88.3	.035	.077	.093	.023	-.090	-.176								
85	94.2	.080	.120	.138	.058	-.070	-.157								

NACA

TABLE 10

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 4^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-0.750	-0.649	-0.571	-0.458	-0.371	-0.288
2	6.0	-.578	-.550	-.510	-.430	-.367	-.292
3	15.0	-.435	-.450	-.422	-.370	-.325	-.251
4	27.5	-.400	-.458	-.420	-.360	-.310	-.258
5	40.0	--	--	--	--	--	--
6	50.0	--	--	--	--	--	--
7	59.0	--	--	--	--	--	--
8	67.5	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.843	-.770	-.670	-.533	-.430	-.340
13	6.0	-.654	-.660	-.622	-.540	-.465	-.381
14	15.0	-.525	-.571	-.535	-.470	-.420	-.339
15	27.5	-.492	-.591	-.569	-.505	-.450	-.383
16	40.0	-.490	-.670	-.640	-.585	-.535	-.458
17	50.0	-.453	-.709	-.703	-.649	-.592	-.521
18	59.0	-.391	-.658	-.725	-.671	-.622	-.562
19	67.5	-.310	-.457	-.730	-.681	-.630	-.557
20	77.5	-.220	-.290	-.495	-.660	-.625	-.550
21	88.0	-.100	-.151	-.250	-.391	-.515	-.502
22	95.3	--	--	--	--	--	--
C23	2.0	-.930	-.830	-.690	-.542	-.433	-.342
24	6.0	-.718	-.760	-.720	-.612	-.526	-.438
25	15.0	-.582	-.660	-.610	-.540	-.472	-.402
26	27.5	-.542	-.700	-.771	-.610	-.542	-.480
27	40.0	-.533	-.788	-.760	-.690	-.626	-.540
28	50.0	-.471	-.802	-.815	-.770	-.710	-.605
29	59.0	-.403	-.720	-.825	-.799	-.773	-.700
30	67.5	--	--	--	--	--	--
31	77.5	-.170	-.180	-.264	-.731	-.727	-.680
32	88.0	-.035	-.040	-.096	-.231	-.382	-.522
33	95.3	.050	.011	.000	-.100	-.200	-.140
D34	2.0	-1.040	-.939	-.760	-.590	-.460	-.370
35	15.0	-.610	-.760	-.700	-.610	-.460	-.370
36	27.5	-.560	-.790	-.760	-.694	-.627	-.547
37	40.0	-.547	-.870	-.829	-.760	-.704	-.630
38	50.0	-.487	-.821	-.782	-.721	-.743	-.707
39	59.0	-.391	-.671	-.730	-.660	-.725	-.712
40	67.5	-.277	-.252	-.685	-.600	-.703	-.701
41	77.5	-.150	-.130	-.270	-.479	-.611	-.700
42	87.5	-.018	.015	-.132	-.369	-.489	-.587
43	94.2	.053	.090	-.040	-.295	-.416	-.481
E44	2.0	-1.100	-1.011	-.787	-.603	-.460	-.364
45	6.0	-.800	-1.038	-.880	-.731	-.609	-.520
46	15.0	-.601	-.826	-.778	-.688	-.582	-.513
47	27.5	-.550	-.798	-.780	-.712	-.640	-.572
48	40.0	-.523	-.840	-.802	-.709	-.690	-.661
49	50.0	-.460	-.690	-.772	-.688	-.673	-.700
50	59.0	-.370	-.380	-.631	-.561	-.610	-.662
51	67.5	-.252	-.245	-.397	-.430	-.512	-.489
52	77.5	-.110	-.091	-.208	-.338	-.413	-.500
53	88.5	.050	.097	-.061	-.257	-.344	-.430
54	95.5	.090	.128	-.011	-.218	-.303	-.402
F55	2.0	-1.117	-1.053	-.824	-.644	-.500	-.400
56	6.0	-.840	-1.077	-.902	-.745	-.611	-.518
57	15.0	-.610	-.878	-.840	-.721	-.609	-.531
58	27.5	-.550	-.818	-.803	-.732	-.653	-.590
59	40.0	-.522	-.838	-.870	-.821	-.753	-.684
60	50.0	-.450	-.651	-.811	-.781	-.790	-.765
61	59.0	-.352	-.328	-.792	-.712	-.751	-.751
62	67.5	-.233	-.220	-.202	-.310	-.491	-.727
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	-1.152	-1.081	-.828	-.642	-.492	-.380
66	6.0	-.828	-1.122	-.931	-.774	-.624	-.520
67	15.0	-.596	-1.002	-.900	-.780	-.650	-.557
68	27.5	-.534	-.860	-.849	-.721	-.660	-.610
69	40.0	-.504	-.719	-.802	-.694	-.630	-.602
70	50.0	-.435	-.442	-.716	-.564	-.568	-.595
71	59.0	-.330	-.324	-.437	-.420	-.481	-.553
72	67.5	-.221	-.208	-.283	-.357	-.423	-.510
73	77.5	-.091	-.058	-.142	-.296	-.372	-.453
74	87.2	--	--	--	--	--	--
75	96.8	.019	.126	.077	-.111	-.229	-.310
H76	2.0	-.985	-1.117	-.870	-.670	-.510	-.396
77	6.0	-.740	-1.110	-.948	-.783	-.651	-.544
78	15.0	-.510	-.938	-.928	-.813	-.700	-.604
79	27.5	-.460	-.586	-.793	-.700	-.615	-.552
80	40.0	-.431	-.402	-.658	-.602	-.512	-.545
81	50.0	-.371	-.394	-.348	-.383	-.418	-.472
82	59.0	-.270	-.268	-.192	-.279	-.334	-.392
83	67.5	-.156	-.138	-.110	-.217	-.290	-.350
84	88.3	.035	.069	.040	-.091	-.192	-.292
85	94.2	.079	.117	.070	-.066	-.169	-.281

LOWER SURFACE

Tube	Percent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.378	0.379	0.380	0.370	0.400	0.402
87	10.0	--	--	--	--	--	--
88	25.0	.045	.049	.050	.047	.055	.092
89	41.0	--	--	--	--	--	--
90	52.5	--	--	--	--	--	--
91	62.5	--	--	--	--	--	--
92	72.5	--	--	--	--	--	--
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.362	.360	.352	.336	.358	.361
96	10.0	.150	.150	.149	.140	.150	.177
97	25.0	.005	-.005	-.011	-.024	-.030	.019
98	41.0	-.070	-.091	-.111	-.138	-.163	-.108
99	52.5	-.080	-.110	-.135	-.180	-.237	-.169
100	62.5	-.053	-.079	-.102	-.148	-.227	-.211
101	72.5	.000	-.015	-.039	-.080	-.150	-.148
102	86.3	.070	.069	.042	.009	-.037	-.060
103	94.5	--	--	--	--	--	--
104	3.0	.381	.365	.347	.321	.332	.341
105	10.0	.160	.150	.137	.119	.120	.150
106	25.0	.002	-.020	-.035	-.060	-.079	-.034
107	41.0	-.078	-.110	-.140	-.182	-.238	-.181
108	52.5	-.085	-.120	-.149	-.204	-.302	-.288
109	62.5	-.052	-.079	-.103	-.157	-.257	-.292
110	72.5	.011	.010	-.011	-.055	-.119	-.135
111	85.1	.082	.100	.082	.050	.019	.047
112	94.6	.157	.181	.169	.132	.100	.119
113	3.0	.400	.375	.348	.310	.307	.310
114	10.0	.185	.180	.150	.119	.102	.130
115	25.0	.010	-.011	-.040	-.080	-.120	-.080
116	41.0	--	--	--	--	--	--
117	52.5	-.071	-.101	-.138	-.200	-.311	-.326
118	62.5	-.040	-.050	-.083	-.146	-.240	-.271
119	72.5	.030	.039	.010	-.040	-.090	-.046
120	87.4	.125	.144	.122	.072	.040	.090
121	94.2	.138	.170	.130	.046	.000	.060
122	3.0	.430	.403	.370	.331	.300	.293
123	10.0	.189	.179	.145	.114	.087	.080
124	25.0	.030	.004	-.019	-.059	-.094	-.100
125	41.0	-.045	-.069	-.101	-.155	-.210	-.250
126	52.5	-.040	-.054	-.089	-.149	-.195	-.249
127	62.5	-.028	-.030	-.065	-.129	-.188	-.220
128	72.5	.024	.015	-.021	-.080	-.135	-.172
129	78.0	.043	.043	.009	-.055	-.101	-.072
130	85.3	.140	.195	.160	.088	.061	.050
131	94.1	.175	.212	.159	.075	.050	.038
132	3.0	.430	.409	.370	.326	.288	.272
133	10.0	.200	.188	.155	.120	.088	.078
134	25.0	.030	.015	-.015	-.060	-.095	-.109
135	41.0	-.040	-.065	-.103	-.161	-.215	-.247
136	52.5	-.050	-.072	-.112	-.182	-.258	-.299
137	62.5	-.020	-.022	-.062	-.133	-.208	-.264
138	72.5	.045	.065	.030	-.039	-.079	-.103
139	83.4	.106	1.122	.085	.025	-.015	-.039
140	94.0	.110	.143	.085	-.010	-.069	-.115
141	3.0	.448	.432	.390	.343	.299	.280
142	10.0	.190	.180	.145	.098	.059	.049
143	25.0	.030	.018	-.023	-.078	-.122	-.131
144	41.0	-.048	-.070	-.112	-.185	-.265	-.300
145	52.5	-.045	-.059	-.104	-.179	-.260	-.373
146	62.5	-.006	.010	-.050	-.120	-.196	-.305
147	72.5	.039	.125	-.020	-.090	-.173	-.275
148	84.0	.190	.235	.210	.160	.115	.079
149	92.0	.116	.155	.112	.028	-.021	-.069
150	3.0	.390	.383	.341	.290	.249	.231
151	10.0	.132	.123	.081	.038	.009	.003
152	25.0	-.025	-.055	-.105	-.175	-.220	-.227
153	41.0	-.080	-.116	-.171	-.268	-.380	-.405
154	52.5	-.068	-.090	-.132	-.220	-.370	-.510
155	62.5	-.020	-.029	-.069	-.151	-.305	-.460
156	72.5	.020	.041	.012	-.045	-.085	-.295
157	84.9	.098	.145	.089	-.008	-.070	-.203

NACA

TABLE 11

$$\left[\Lambda = 30°, \delta_{a_n} = 0°, \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-1.990	-1.400	-1.150	-0.965	-0.835	-0.720
2	6.0	-.929	-1.252	-1.049	-.905	-.608	-.670
3	15.0	-.664	-.725	-.649	-.560	-.503	-.441
4	27.5	-.558	-.640	-.570	-.520	-.458	-.398
5	40.0	--	--	--	--	--	--
6	50.0	--	--	--	--	--	--
7	59.0	--	--	--	--	--	--
8	67.5	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.942	-1.450	-1.182	-1.000	-.860	-.731
13	6.0	-1.146	-1.345	-1.155	-1.001	-.880	-.768
14	15.0	-.762	-1.090	-1.010	-.891	-.772	-.655
15	27.5	-.650	-.775	-.720	-.675	-.610	-.527
16	40.0	-.602	-.830	-.783	-.719	-.652	-.580
17	50.0	-.539	-.875	-.823	-.760	-.691	-.609
18	59.0	-.453	-.850	-.860	-.801	-.740	-.648
19	67.5	-.360	-.531	-.850	-.785	-.724	-.651
20	77.5	-.251	-.331	-.618	-.780	-.723	-.638
21	88.0	-.151	-.170	-.380	-.545	-.632	-.599
22	95.3	--	--	--	--	--	--
C23	2.0	-2.092	-1.460	-1.179	-.984	-.830	-.692
24	6.0	-1.331	-1.410	-1.180	-1.020	-.890	-.773
25	15.0	-.838	-1.270	-1.090	-.970	-.864	-.560
26	27.5	-.702	-.869	-1.002	-.900	-.802	-.700
27	40.0	-.636	-.950	-.865	-.770	-.725	-.668
28	50.0	-.560	-.993	-.935	-.863	-.785	-.704
29	59.0	-.441	-.628	-1.020	-.939	-.860	-.767
30	67.5	--	--	--	--	--	--
31	77.5	-.185	-.215	-.400	-.645	-.855	-.772
32	88.0	-.070	-.097	-.300	-.390	-.477	-.431
33	95.3	-.017	-.025	-.170	-.280	-.312	-.267
D34	2.0	-1.927	-1.489	-1.200	-.998	-.836	-.700
35	15.0	-.930	-1.355	-1.150	-1.010	-.890	-.778
36	27.5	-.708	-1.280	-1.140	-1.030	-.924	-.811
37	40.0	-.629	-1.189	-1.088	-.970	-.950	-.844
38	50.0	-.530	-.960	-1.062	-.960	-.923	-.827
39	59.0	-.434	-.380	-.560	-.870	-.868	-.828
40	67.5	-.292	-.220	-.321	-.691	-.900	-.850
41	77.5	-.156	-.125	-.269	-.429	-.852	-.820
42	87.5	-.047	-.060	-.261	-.355	-.559	-.697
43	94.2	.006	-.033	-.252	-.350	-.400	-.413
E44	2.0	-1.830	-1.520	-1.250	-1.023	-.865	-.720
45	6.0	-1.639	-1.452	-1.221	-1.040	-.900	-.772
46	15.0	-1.000	-1.355	-1.160	-1.002	-.890	-.782
47	27.5	-.678	-1.258	-1.088	-.949	-.904	-.822
48	40.0	-.582	-.998	-.960	-.882	-.870	-.868
49	50.0	-.487	-.651	-.681	-.660	-.838	-.896
50	59.0	-.371	-.469	-.583	-.562	-.744	-.882
51	67.5	-.260	-.300	-.504	-.510	-.653	-.850
52	77.5	-.130	-.135	-.410	-.461	-.590	-.821
53	88.5	.000	.055	-.250	-.399	-.520	-.691
54	95.5	.030	.079	-.168	-.370	-.481	-.531
F55	2.0	-1.754	-1.534	-1.262	-1.030	-.858	-.704
56	6.0	-1.638	-1.468	-1.228	-1.047	-.900	-.771
57	15.0	-1.052	-1.340	-1.163	-1.011	-.898	-.782
58	27.5	-.686	-1.262	-1.088	-1.011	-.919	-.828
59	49.0	-.570	-.912	-.993	-.958	-.891	-.878
60	50.0	-.470	-.664	-.802	-.878	-.878	-.910
61	59.0	-.368	-.410	-.480	-.520	-.817	-.918
62	67.5	-.240	-.244	-.360	-.395	-.640	-.910
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	-1.595	-1.543	-1.278	-1.039	-.852	-.673
66	6.0	-1.482	-1.423	-1.226	-1.060	-.904	-.769
67	15.0	-1.071	-1.324	-1.114	-.963	-.880	-.782
68	27.5	-.690	-.997	-.983	-.908	-.814	-.814
69	40.0	-.530	-.664	-.700	-.710	-.761	-.832
70	50.0	-.420	-.518	-.588	-.582	-.640	-.845
71	59.0	-.311	-.412	-.501	-.523	-.570	-.841
72	67.5	-.212	-.324	-.420	-.490	-.541	-.830
73	77.5	-.120	-.212	-.320	-.438	-.508	-.798
74	87.2	--	--	--	--	--	--
75	96.8	.038	-.030	-.118	-.277	-.371	-.600
H76	2.0	-1.460	-.910	-.900	-.870	-.850	-.685
77	6.0	-1.260	-.846	-.852	-.859	-.848	-.768
78	15.0	-.802	-.728	-.706	-.711	-.782	-.801
79	27.5	-.550	-.601	-.554	-.523	-.665	-.762
80	40.0	-.429	-.510	-.490	-.452	-.520	-.798
81	50.0	-.335	-.438	-.438	-.413	-.460	-.778
82	59.0	-.242	-.372	-.390	-.384	-.430	-.760
83	67.5	-.158	-.319	-.338	-.353	-.402	-.724
84	88.3	-.030	-.218	-.266	-.312	-.380	-.703
85	94.2	-.008	-.188	-.245	-.301	-.370	-.670

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.572	0.585	0.568	0.062		0.600
87	10.0	--	--	--	--		--
88	25.0	.165	.176	.168	.169		.215
89	41.0	--	--	--	--		--
90	52.5	--	--	--	--		--
91	62.5	--	--	--	--		--
92	72.5	--	--	--	--		--
93	84.0	--	--	--	--		--
94	94.0	--	--	--	--		--
95	3.0	.565	.556	.530	.523		.553
96	10.0	.320	.319	.300	.294		.338
97	25.0	.130	.128	.108	.100		.140
98	41.0	.025	.010	-.011	-.028		.006
99	52.5	-.005	.021	-.052	-.090		-.053
100	62.5	-.010	.010	-.042	-.072		-.062
101	72.5	-.041	.034	.000	-.030		-.029
102	86.3	-.101	.100	.065	.032		.048
103	94.5	--	--	--	--		
104	3.0	.582	.545	.522	.510		.528
105	10.0	.330	.315	.290	.278		.306
106	25.0	.130	.110	.088	.070		.097
107	41.0	.018	-.010	-.041	-.070		-.060
108	52.5	-.010	-.041	-.078	-.113		-.123
109	62.5	.007	-.021	-.061	-.099		-.110
110	72.5	.050	.040	.003	-.032		-.031
111	85.1	.100	.100	.065	.030		.063
112	94.6	.150	.160	.116	.072		.089
113	3.0	.595	.558	.518	.493		.498
114	10.0	.355	.329	.291	.272		.288
115	25.0	.139	.110	.078	.050		.060
116	41.0	--	--	--	--		--
117	52.5	.000	-.040	-.089	-.094		-.160
118	62.5	.015	-.013	-.069	-.072		-.136
119	72.5	.065	.050	-.002	-.017		-.124
120	87.4	.130	.125	.072	.048		.072
121	94.2	.130	.112	.031	.011		.030
122	3.0	.610	.569	.540	.510	0.485	.465
123	10.0	.350	.330	.290	.260	.238	.225
124	25.0	.150	.125	.095	.060	.040	.029
125	41.0	.040	.015	-.025	-.069	-.100	-.119
126	52.5	.023	-.002	-.048	-.100	-.130	-.136
127	62.5	.017	-.009	-.059	-.123	-.164	-.185
128	72.5	.060	.050	-.001	-.063	-.099	-.115
129	78.0	.080	.092	.040	-.029	-.060	-.075
130	85.3	.135	.151	.101	.039	.030	.040
131	94.1	.150	.179	.109	.020	.019	.040
132	3.0	.614	.569	.538	.500	.475	.449
133	10.0	.363	.330	.300	.265	.240	.221
134	25.0	.150	.125	.090	.053	.030	.018
135	41.0	.048	.013	-.030	-.081	-.118	-.130
136	52.5	.017	-.019	-.069	-.135	-.180	-.215
137	62.5	.024	.003	-.051	-.115	-.159	-.189
138	72.5	.070	.069	.015	-.045	-.070	-.069
139	83.4	.101	.089	.021	-.030	-.050	-.052
140	94.0	.090	.078	-.031	-.110	-.138	-.134
141	3.0	.610	.570	.539	.500	.468	.438
142	10.0	.344	.309	.275	.235	.205	.180
143	25.0	.142	.109	.070	.024	-.005	-.028
144	41.0	.030	-.019	-.065	-.125	-.175	-.203
145	52.5	.008	-.041	-.095	-.161	-.223	-.265
146	62.5	.028	.013	-.060	-.123	-.189	-.241
147	72.5	.059	.021	-.029	-.081	-.135	-.179
148	84.0	.169	.151	.120	.081	.039	.025
149	92.0	.082	.041	-.015	-.063	-.099	-.099
150	3.0	.544	.498	.470	.430	.403	.375
151	10.0	.266	.220	.190	.150	.129	.110
152	25.0	.060	.003	-.041	-.099	-.129	-.141
153	41.0	-.028	-.105	-.160	-.245	-.309	-.328
154	52.5	-.038	-.119	-.169	-.257	-.380	-.430
155	62.5	-.004	-.080	-.121	-.199	-.303	-.399
156	72.5	.014	-.060	-.089	-.143	-.209	-.301
157	84.9	.031	-.093	-.140	-.195	-.259	-.270

NACA

TABLE 12

$$\left[\Lambda = 30^{\circ},\ \delta_{a_n} = 0^{\circ},\ \alpha = 10^{\circ}\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80				
A 1	2.0	-2.177	-1.675				
2	6.0	-1.902	-1.590				
3	15.0	-.717	-1.040				
4	27.5	-.670	-.845				
5	40.0	--	--				
6	50.0	--	--				
7	59.0	--	--				
8	67.5	--	--				
9	77.5	--	--				
10	87.5	--	--				
11	96.0	--	--				
B12	2.0	-1.454	-1.670				
13	6.0	-1.421	-1.615				
14	15.0	-1.428	-1.562				
15	27.5	-.981	-1.095				
16	40.0	-.630	-.966				
17	50.0	-.600	-.980				
18	59.0	-.524	-.701				
19	67.5	-.411	-.450				
20	77.5	-.300	-.320				
21	88.0	-.190	-.183				
22	95.3	--	--				
C23	2.0	-1.128	-1.670				
24	6.0	-1.119	-1.622				
25	15.0	-1.110	-1.500				
26	27.5	-1.060	-1.400				
27	40.0	-.920	-1.000				
28	50.0	-.756	-.748				
29	59.0	-.608	-.510				
30	67.5	--	--				
31	77.5	-.318	-.260				
32	88.0	-.147	-.145				
33	95.3	-.050	-.090				
D34	2.0	-.964	-1.490				
35	15.0	-.948	-1.230				
36	27.5	-.880	-.998				
37	40.0	-.780	-.845				
38	50.0	-.700	-.728				
39	59.0	-.624	-.615				
40	67.5	-.560	-.560				
41	77.5	-.476	-.490				
42	87.5	-.380	-.410				
43	94.2	-.318	-.755				
E44	2.0	-.771	-.838				
45	6.0	-.754	-.821				
46	15.0	-.754	-.823				
47	27.5	-.711	-.805				
48	40.0	-.642	-.766				
49	50.0	-.589	-.718				
50	59.0	-.544	-.668				
51	67.5	-.504	-.608				
52	77.5	-.460	-.541				
53	88.5	-.405	-.470				
54	95.5	-.380	-.439				
F55	2.0	-.691	-.960				
56	6.0	-.680	-.921				
57	15.0	-.665	-.852				
58	27.5	-.628	-.702				
59	49.0	-.570	-.614				
60	50.0	-.522	-.578				
61	59.0	-.492	-.523				
62	67.5	-.470	-.517				
63	86.5	--	--				
64	94.6	--	--				
G65	2.0	-.626	-.756				
66	6.0	-.600	-.720				
67	15.0	-.568	-.678				
68	27.5	-.530	-.621				
69	40.0	-.485	-.559				
70	50.0	-.450	-.512				
71	59.0	-.428	-.498				
72	67.5	-.411	-.473				
73	77.5	-.396	-.451				
74	87.2	--	--				
75	96.8	-.274	-.313				
H76	2.0	-.596	-.537				
77	6.0	-.560	-.523				
78	15.0	-.510	-.483				
79	27.5	-.461	-.450				
80	40.0	-.420	-.444				
81	50.0	-.388	-.430				
82	59.0	-.361	-.416				
83	67.5	-.332	-.400				
84	88.3	-.298	-.353				
85	94.2	-.281	-.339				

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80				
86	3.0	0.690	0.702				
87	10.0	--	--				
88	25.0	.260	.260				
89	41.0	--	--				
90	52.5	--	--				
91	62.5	--	--				
92	72.5	--	--				
93	84.0	--	--				
94	94.0	--	--				
95	3.0	.663	.660				
96	10.0	.420	.427				
97	25.0	.213	.219				
98	41.0	.090	.087				
99	52.5	.048	.038				
100	62.5	.040	.033				
101	72.5	.070	.067				
102	86.3	.110	.112				
103	94.5	--	--				
104	3.0	.650	.652				
105	10.0	.411	.420				
106	25.0	.200	.200				
107	41.0	.065	.060				
108	52.5	.020	.010				
109	62.5	.020	.009				
110	72.5	.055	.050				
111	85.1	.090	.098				
112	94.6	.140	.130				
113	3.0	.631	.643				
114	10.0	.409	.420				
115	25.0	.180	.184				
116	41.0	--	--				
117	52.5	-.002	-.015				
118	62.5	-.009	-.016				
119	72.5	.021	.023				
120	87.4	.050	.080				
121	94.2	.005	.018				
122	3.0	.636	.650				
123	10.0	.392	.405				
124	25.0	.174	.183				
125	41.0	.040	.040				
126	52.5	-.010	-.013				
127	62.5	-.046	-.059				
128	72.5	-.028	-.031				
129	78.0	-.022	-.021				
130	85.3	.003	.009				
131	94.1	.041	-.043				
132	3.0	.623	.640				
133	10.0	.387	.401				
134	25.0	.160	.170				
135	41.0	.022	.020				
136	52.5	-.034	-.049				
137	62.5	-.051	-.064				
138	72.5	-.029	-.032				
139	83.4	-.040	-.058				
140	94.0	-.149	-.165				
141	3.0	.596	.617				
142	10.0	.340	.355				
143	25.0	.125	.130				
144	41.0	-.018	-.035				
145	52.5	-.061	-.091				
146	62.5	-.045	-.079				
147	72.5	-.051	-.079				
148	84.0	.031	.019				
149	92.0	-.104	-.125				
150	3.0	.520	.520				
151	10.0	.255	.248				
152	25.0	-.040	.003				
153	41.0	-.070	-.131				
154	52.5	-.110	-.169				
155	62.5	-.082	-.143				
156	72.5	-.085	-.135				
157	84.9	-.167	-.235				

NACA

TABLE 13

$$\left[\Lambda = 45°, \ \delta_{a_n} = 0°, \ \alpha = -2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	0.60	0.80	0.89	0.925	0.96
A 1	2.0	0.230	0.251	0.259	0.270	0.275
2	6.0	.089	.115	.120	.135	.135
3	15.0	.000	.021	.030	.045	.045
4	27.5	-.025	-.005	.000	.015	.019
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	--	--	--	--	--
8	67.5	--	--	--	--	--
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	-.031	-.021	-.025	-.015	-.018
15	27.5	-.105	-.100	-.100	-.090	-.090
16	40.0	-.150	-.153	-.165	-.161	-.160
17	50.0	-.160	-.171	-.192	-.199	-.200
18	59.0	-.148	-.151	-.171	-.170	-.071
19	67.5	--	--	--	--	--
20	77.5	--	--	--	--	--
21	88.0	--	--	--	--	--
22	95.3	--	--	--	--	--
C23	2.0	.228	.240	.235	.239	.221
24	6.0	.060	.070	.066	.069	.069
25	15.0	-.055	-.051	-.067	-.061	-.071
26	27.5	-.130	-.139	-.151	-.155	-.161
27	40.0	-.179	-.200	-.226	-.240	-.245
28	50.0	-.150	-.201	-.249	-.295	-.310
29	59.0	-.189	-.220	-.266	-.310	-.322
30	67.5	-.150	-.169	-.213	-.269	-.304
31	77.5	-.105	-.123	-.153	-.212	-.282
32	88.0	-.025	-.041	-.060	-.102	-.200
33	95.3	.084	.045	.009	-.039	-.131
D34	2.0	.197	.205	.196	.185	.160
35	15.0	-.060	-.062	-.090	-.109	-.121
36	27.5	-.130	-.149	-.181	-.205	-.221
37	40.0	-.181	-.210	-.252	-.305	-.336
38	50.0	-.190	-.215	-.261	-.330	-.393
39	59.0	-.090	-.151	-.209	-.270	-.405
40	67.5	-.124	-.142	-.171	-.180	-.340
41	77.5	-.073	-.087	-.102	-.110	-.202
42	87.5	-.003	-.009	-.019	-.014	-.070
43	94.2	.048	.049	.041	.060	-.003
E44	2.0	.245	.250	.250	.242	.230
45	6.0	.058	.054	.050	.040	.028
46	15.0	-.058	-.072	-.087	-.102	-.121
47	27.5	-.128	-.150	-.168	-.188	-.222
48	40.0	-.175	-.205	-.233	-.248	-.320
49	50.0	-.180	-.210	-.238	-.245	-.338
50	59.0	-.162	-.190	-.208	-.216	-.274
51	67.5	-.128	-.130	-.150	-.160	-.163
52	77.5	-.070	-.054	-.064	-.063	-.053
53	88.5	.135	.123	.111	.110	.120
54	95.5	.079	.078	.070	.078	.080
F55	2.0	.228	.235	.228	.242	.210
56	6.0	.065	.064	.060	.060	.030
57	15.0	-.052	-.068	-.080	-.084	-.122
58	27.5	-.120	-.140	-.162	-.170	-.213
59	49.0	-.170	-.200	-.230	-.240	-.289
60	50.0	-.165	-.198	-.227	-.241	-.280
61	59.0	-.145	-.172	-.190	-.197	-.213
62	67.5	-.112	-.121	-.132	-.140	-.137
63	86.5	--	--	--	--	--
64	94.6	--	--	--	--	--
G65	2.0	.250	.260	.265	.269	.258
66	6.0	.080	.080	.080	.080	.074
67	15.0	-.032	-.042	-.050	-.053	-.068
68	27.5	-.100	-.120	-.130	-.140	-.150
69	40.0	-.150	-.172	-.191	-.202	-.210
70	50.0	-.154	-.180	-.202	-.212	-.212
71	59.0	-.125	-.150	-.170	-.180	-.174
72	67.5	-.085	-.117	-.125	-.120	-.110
73	77.5	-.075	-.042	-.028	-.030	-.028
74	87.2	--	--	--	--	--
75	96.8	.086	.090	.089	.098	.100
H76	2.0	.155	.158	.160	.167	.173
77	6.0	.010	.000	-.010	-.010	-.006
78	15.0	-.070	-.094	-.112	-.121	-.116
79	27.5	-.122	-.153	-.180	-.197	-.203
80	40.0	-.160	-.192	-.222	-.248	-.252
81	50.0	-.158	-.181	-.202	-.217	-.238
82	59.0	-.112	-.133	-.155	-.170	-.190
83	67.5	-.082	-.110	-.140	-.145	-.148
84	88.3	.068	.080	.096	.110	.130
85	94.2	.085	.095	.114	.128	.148

LOWER SURFACE

Tube	Percent chord	0.60	0.80	0.89	0.925	0.96
86	3.0	-0.301	-0.300	-0.271	-0.241	-0.195
87	10.0	-.105	-.105	-.080	-.064	-.038
88	25.0	-.156	-.167	-.158	-.142	-.108
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	--	--	--	--	--
92	72.5	--	--	--	--	--
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	-.360	-.400	-.368	-.340	-.290
96	10.0	-.239	-.258	-.209	-.156	-.139
97	25.0	-.202	-.232	-.241	-.241	-.205
98	41.0	-.202	-.240	-.266	-.258	-.233
99	52.5	-.188	-.233	-.289	-.294	-.270
100	62.5	--	--	--	--	--
101	72.5	--	--	--	--	--
102	86.3	--	--	--	--	--
103	94.5	--	--	--	--	--
104	3.0	-.401	-.554	-.448	-.425	-.371
105	10.0	-.261	-.294	-.306	-.299	-.270
106	25.0	-.225	-.269	-.305	-.307	-.281
107	41.0	-.215	-.265	-.333	-.365	-.338
108	52.5	-.191	-.240	-.300	-.384	-.368
109	62.5	-.145	-.183	-.230	-.347	-.364
110	72.5	-.086	-.114	-.146	-.336	-.315
111	85.1	-.010	-.029	-.046	-.085	-.182
112	94.6	.040	.031	.018	-.009	-.080
113	3.0	-.408	-.502	-.542	-.528	-.473
114	10.0	-.249	-.285	-.301	-.330	-.327
115	25.0	-.225	-.273	-.313	-.365	-.347
116	41.0	-.211	-.256	-.302	-.433	-.433
117	52.5	-.176	-.214	-.245	-.339	-.459
118	62.5	-.122	-.146	-.161	-.173	-.381
119	72.5	-.047	-.063	-.071	-.067	-.166
120	87.4	.051	.035	.036	.039	-.008
121	94.2	.058	.054	.053	.057	.021
122	3.0	-.355	-.419	-.487	-.525	-.502
123	10.0	-.248	-.288	-.303	-.355	-.360
124	25.0	-.203	-.242	-.273	-.337	-.397
125	41.0	-.181	-.216	-.241	-.242	-.420
126	52.5	-.135	-.162	-.184	-.167	-.275
127	62.5	-.105	-.125	-.144	-.144	-.142
128	72.5	-.033	-.043	-.052	-.051	-.041
129	78.0	.007	-.001	-.005	-.002	.008
130	85.3	.061	.056	.053	.054	.061
131	94.1	.093	.092	.089	.090	.097
132	3.0	-.370	-.435	-.496	-.542	-.544
133	10.0	-.244	-.285	-.307	-.324	-.397
134	25.0	-.199	-.238	-.255	-.270	-.401
135	41.0	-.181	-.214	-.244	-.251	-.336
136	52.5	-.146	-.173	-.194	-.202	-.205
137	62.5	-.086	-.102	-.115	-.120	-.091
138	72.5	-.020	-.029	-.035	-.038	-.015
139	83.4	--	--	--	--	--
140	94.0	.074	.072	.071	.070	-.081
141	3.0	-.387	-.473	-.510	-.536	-.584
142	10.0	-.258	-.303	-.311	-.308	-.347
143	25.0	-.192	-.231	-.254	-.316	-.323
144	41.0	-.168	-.198	-.218	-.231	-.253
145	52.5	-.126	-.146	-.158	-.154	-.146
146	62.5	-.057	-.056	-.090	-.060	-.049
147	72.5	-.006	-.006	-.005	.000	.015
148	84.0	.080	.087	.090	.097	.110
149	92.0	--	--	--	--	--
150	3.0	-.341	-.437	-.496	-.533	-.568
151	10.0	-.215	-.254	-.239	-.258	-.294
152	25.0	-.183	-.212	-.235	-.273	-.273
153	41.0	--	--	--	--	--
154	52.5	-.102	-.104	-.099	-.086	-.061
155	62.5	-.032	-.027	-.014	.000	.024
156	72.5	.018	.030	.045	.058	.079
157	84.9	.097	.116	.131	.148	.168

NACA

TABLE 14

$$\left[\Lambda = 45°,\ \delta_{a_n} = 0°,\ \alpha = 2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	\-\-\- Mach Number \-\-\-				
		0.60	0.80	0.89	0.925	0.96
A 1	2.0	-0.180	-0.130	-0.103	-0.068	0.105
2	6.0	-.190	-.170	-.141	-.111	.060
3	15.0	-.183	-.170	-.150	-.125	.400
4	27.5	-.169	-.162	-.145	-.120	.484
5	40.0	– –	– –	– –	– –	– –
6	50.0	– –	– –	– –	– –	– –
7	59.0	– –	– –	– –	– –	– –
8	67.5	– –	– –	– –	– –	– –
9	77.5	– –	– –	– –	– –	– –
10	87.5	– –	– –	– –	– –	– –
11	96.0	– –	– –	– –	– –	– –
B12	2.0	– –	– –	– –	– –	– –
13	6.0	– –	– –	– –	– –	– –
14	15.0	-.240	-.238	-.221	-.200	.009
15	27.5	-.253	-.262	-.255	-.230	-.034
16	40.0	-.270	-.295	-.305	-.280	-.061
17	50.0	-.260	-.300	-.321	-.304	-.109
18	59.0	-.231	-.275	-.315	-.301	-.135
19	67.5	– –	– –	– –	– –	– –
20	77.5	– –	– –	– –	– –	– –
21	88.0	– –	– –	– –	– –	– –
22	95.3	– –	– –	– –	– –	– –
C23	2.0	-.280	-.250	-.210	-.164	.010
24	6.0	-.275	-.271	-.251	-.220	-.051
25	15.0	-.280	-.298	-.299	-.265	-.100
26	27.5	-.291	-.327	-.345	-.320	-.150
27	40.0	-.310	-.360	-.403	-.385	-.219
28	50.0	-.290	-.341	-.410	-.411	-.251
29	59.0	-.270	-.322	-.425	-.450	-.289
30	67.5	-.231	-.278	-.371	-.414	-.258
31	77.5	-.150	-.190	-.285	-.390	-.250
32	88.0	-.063	-.081	-.120	-.220	-.152
33	95.3	.010	-.002	-.029	-.080	-.050
D34	2.0	-.347	-.341	-.311	-.250	-.071
35	15.0	-.301	-.337	-.365	-.341	-.173
36	27.5	-.301	-.350	-.410	-.390	-.223
37	40.0	-.320	-.371	-.481	-.490	-.325
38	50.0	-.300	-.350	-.439	-.535	-.380
39	59.0	-.235	-.285	-.359	-.433	-.359
40	67.5	-.191	-.290	-.371	-.451	-.341
41	77.5	-.103	-.100	-.080	-.345	-.320
42	87.5	-.021	-.020	-.004	-.005	-.015
43	94.2	.040	.049	.054	.059	.068
E44	2.0	-.382	-.408	-.410	-.350	-.270
45	6.0	-.340	-.378	-.400	-.363	-.308
46	15.0	-.310	-.360	-.418	-.402	-.350
47	27.5	-.302	-.360	-.440	-.463	-.420
48	40.0	-.308	-.368	-.440	-.557	-.520
49	50.0	-.280	-.338	-.402	-.540	-.580
50	59.0	-.242	-.293	-.341	-.503	-.573
51	67.5	-.194	-.210	-.188	-.281	-.513
52	77.5	-.068	-.088	-.081	-.102	-.210
53	88.5	.110	.100	.100	.050	-.050
54	95.5	.075	.078	.079	.080	.038
F55	2.0	-.408	-.432	-.452	-.408	-.311
56	6.0	-.342	-.383	-.420	-.410	-.340
57	15.0	-.310	-.363	-.420	-.440	-.390
58	27.5	-.298	-.358	-.420	-.498	-.452
59	49.0	-.302	-.366	-.428	-.557	-.550
60	50.0	-.268	-.328	-.380	-.516	-.603
61	59.0	-.225	-.270	-.285	-.368	-.543
62	67.5	-.150	-.168	-.178	-.191	-.404
63	86.5	– –	– –	– –	– –	– –
64	94.6	– –	– –	– –	– –	– –
G65	2.0	-.420	-.453	-.495	-.503	-.404
66	6.0	-.351	-.401	-.452	-.500	-.442
67	15.0	-.300	-.350	-.400	-.462	-.443
68	27.5	-.282	-.331	-.382	-.444	-.498
69	40.0	-.283	-.330	-.373	-.405	-.513
70	50.0	-.255	-.295	-.340	-.361	-.489
71	59.0	-.214	-.256	-.295	-.210	-.389
72	67.5	-.140	-.153	-.151	-.126	-.123
73	77.5	-.050	-.058	-.050	-.041	-.060
74	87.2	– –	– –	– –	– –	– –
75	96.8	.082	.095	.110	.113	.123
H76	2.0	-.402	-.483	-.552	-.562	-.537
77	6.0	-.320	-.387	-.481	-.523	-.548
78	15.0	-.266	-.320	-.392	-.438	-.490
79	27.5	-.251	-.301	-.348	-.400	-.409
80	40.0	-.250	-.291	-.325	-.360	-.376
81	50.0	-.224	-.258	-.290	-.327	-.254
82	59.0	-.188	-.228	-.230	-.171	-.093
83	67.5	-.130	-.093	-.036	-.013	-.006
84	88.3	.058	.072	.100	.120	.104
85	94.2	.085	.104	.128	.145	.122

LOWER SURFACE

Tube	Per-cent chord	\-\-\- Mach Number \-\-\-				
		0.60	0.80	0.89	0.925	0.96
86	3.0	0.089	0.106	0.117	0.123	0.144
87	10.0	.003	.021	.031	.040	.058
88	25.0	-.029	-.015	-.009	.000	.022
89	41.0	– –	– –	– –	– –	– –
90	52.5	– –	– –	– –	– –	– –
91	62.5	– –	– –	– –	– –	– –
92	72.5	– –	– –	– –	– –	– –
93	84.0	– –	– –	– –	– –	– –
94	94.0	– –	– –	– –	– –	– –
95	3.0	.083	.089	.090	.091	.109
96	10.0	-.023	-.019	-.019	-.014	.007
97	25.0	-.072	-.071	-.076	-.076	-.057
98	41.0	-.106	-.113	-.126	-.130	-.114
99	52.5	-.106	-.117	-.138	-.150	-.144
100	62.5	– –	– –	– –	– –	– –
101	72.5	– –	– –	– –	– –	– –
102	86.3	– –	– –	– –	– –	– –
103	94.5	– –	– –	– –	– –	– –
104	3.0	.089	.083	.070	.059	.068
105	10.0	-.020	-.024	-.040	-.049	-.036
106	25.0	-.086	-.094	-.114	-.126	-.118
107	41.0	-.118	-.132	-.159	-.182	-.192
108	52.5	-.118	-.134	-.162	-.190	-.213
109	62.5	-.090	-.101	-.126	-.153	-.195
110	72.5	-.047	-.055	-.075	-.100	-.141
111	85.1	.008	.011	-.003	-.024	-.058
112	94.6	.063	.056	.043	.015	-.021
113	3.0	.106	.098	.071	.041	.028
114	10.0	.003	-.002	-.024	-.045	-.050
115	25.0	-.079	-.089	-.114	-.139	-.154
116	41.0	-.115	-.128	-.154	-.181	-.225
117	52.5	-.108	-.121	-.143	-.166	-.214
118	62.5	-.075	-.082	-.096	-.112	-.164
119	72.5	-.015	.006	.003	-.006	-.025
120	87.4	.017	.070	.071	.129	.058
121	94.2	.011	.081	.083	.083	.063
122	3.0	.165	.151	.132	.105	.078
123	10.0	.031	.013	-.007	-.031	-.053
124	25.0	-.040	-.060	-.078	-.098	-.125
125	41.0	-.069	-.089	-.107	-.120	-.147
126	52.5	-.052	-.069	-.083	-.091	-.104
127	62.5	-.046	-.061	-.075	-.082	-.098
128	72.5	.004	.009	.004	.000	-.020
129	78.0	.051	.042	.036	.035	.021
130	85.3	.097	.093	.093	.095	.083
131	94.1	.114	.117	.118	.125	.114
132	3.0	.167	.165	.141	.115	.076
133	10.0	.043	.027	.012	-.010	-.041
134	25.0	-.033	-.050	-.065	-.079	-.101
135	41.0	-.065	-.084	-.100	-.113	-.137
136	52.5	-.062	-.079	-.094	-.103	-.126
137	62.5	-.029	-.045	-.056	-.066	-.082
138	72.5	.020	.020	.019	.017	.007
139	83.4	– –	– –	– –	– –	– –
140	94.0	.086	.088	.085	.085	.072
141	3.0	.180	.186	.186	.176	.139
142	10.0	.038	.027	.018	.007	.026
143	25.0	-.028	-.043	-.053	-.062	-.091
144	41.0	-.060	-.074	-.085	-.091	-.109
145	52.5	-.049	-.058	-.066	-.068	-.080
146	62.5	-.019	-.029	-.037	-.039	-.049
147	72.5	.010	.032	.036	.042	.054
148	84.0	.120	.120	.131	.134	.146
149	92.0	– –	– –	– –	– –	– –
150	3.0	.149	.151	.152	.159	.155
151	10.0	.001	-.011	-.020	-.020	-.022
152	25.0	-.068	-.089	-.106	-.120	-.139
153	41.0	– –	– –	– –	– –	– –
154	52.5	-.053	-.062	-.066	-.066	-.080
155	62.5	-.016	-.026	-.032	-.038	-.057
156	72.5	.000	.036	.071	.089	.095
157	84.9	.097	.115	.129	.148	.136

NACA

TABLE 15

$$\left[\Lambda = 45°,\ \delta_{a_n} = 0°,\ \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
A 1	2.0	-1.155	-1.189	-1.000	-1.150	-0.761
2	6.0	-1.623	-.602	-.540	-.899	-.472
3	15.0	-.440	-.430	-.400	-.525	-.310
4	27.5	-.355	-.371	-.331	-.430	-.256
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	--	--	--	--	--
8	67.5	--	--	--	--	--
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	-.515	-.539	-.495	-.741	-.402
15	27.5	-.450	-.490	-.465	-.535	-.383
16	40.0	-.411	-.488	-.465	-.528	-.390
17	50.0	-.390	-.480	-.482	-.541	-.410
18	59.0	-.340	-.437	-.478	-.532	-.403
19	67.5	--	--	--	--	--
20	77.5	--	--	--	--	--
21	88.0	--	--	--	--	--
22	95.3	--	--	--	--	--
C23	2.0	-1.392	-1.421	-1.161	-1.309	-.950
24	6.0	-1.120	-1.148	-1.100	-1.215	-.890
25	15.0	-.592	-.654	-.569	-1.102	-.450
26	27.5	-.495	-.595	-.572	-.714	-.471
27	40.0	-.455	-.568	-.602	-.660	-.515
28	50.0	-.418	-.509	-.592	-.661	-.528
29	59.0	-.355	-.435	-.641	-.680	-.551
30	67.5	-.270	-.330	-.592	-.640	-.513
31	77.5	-.210	-.244	-.510	-.650	-.515
32	88.0	-.120	-.145	-.302	-.552	-.422
33	95.3	-.052	-.029	-.125	-.329	-.252
D34	2.0	-1.300	-1.490	-1.254	-1.339	-1.009
35	15.0	-.799	-.772	-.821	-1.182	-.811
36	27.5	-.490	-.638	-.670	-1.077	-.565
37	40.0	-.442	-.545	-.740	-.760	-.632
38	50.0	-.391	-.449	-.781	-.809	-.675
39	59.0	-.330	-.330	-.623	-.798	-.681
40	67.5	-.230	-.260	-.389	-.749	-.675
41	77.5	-.140	-.165	-.221	-.455	-.430
42	87.5	-.055	-.060	-.135	-.292	-.259
43	94.2	-.020	-.020	-.100	-.240	-.203
E44	2.0	-1.141	-1.275	-1.325	-1.200	-1.072
45	6.0	-1.128	-1.210	-1.274	-1.166	-1.051
46	15.0	-1.003	-1.103	-1.150	-1.051	-.943
47	27.5	-.572	-.639	-.878	-.899	-.861
48	40.0	-.398	-.450	-.773	-.725	-.658
49	50.0	-.340	-.380	-.673	-.802	-.742
50	59.0	-.273	-.300	-.310	-.646	-.780
51	67.5	-.194	-.216	-.228	-.334	-.603
52	77.5	-.102	-.120	-.180	-.270	-.348
53	88.5	.025	-.008	-.118	-.220	-.287
54	95.5	.022	.000	-.080	-.167	-.247
F55	2.0	-1.120	-1.350	-1.370	-1.242	-1.103
56	6.0	-1.110	-1.340	-1.302	-1.183	-1.052
57	15.0	-.959	-1.154	-1.181	-1.084	-.975
58	27.5	-.620	-.562	-1.095	-1.000	-.911
59	49.0	-.435	-.488	-.778	-.847	-.850
60	50.0	-.332	-.382	-.282	-.621	-.743
61	59.0	-.250	-.268	-.215	-.311	-.730
62	67.5	-.170	-.162	-.150	-.243	-.390
63	86.5	--	--	--	--	--
64	94.6	--	--	--	--	--
G65	2.0	-.900	-.932	-1.343	-1.242	-1.098
66	6.0	-.892	-.921	-1.260	-1.158	-1.034
67	15.0	-.860	-.900	-1.200	-1.094	-.962
68	27.5	-.695	-.731	-.812	-.907	-.824
69	40.0	-.464	-.600	-.534	-.573	-.671
70	50.0	-.330	-.491	-.472	-.560	-.575
71	59.0	-.232	-.331	-.192	-.336	-.534
72	67.5	-.164	-.195	-.152	-.240	-.496
73	77.5	-.105	-.100	-.130	-.245	-.360
74	87.2	--	--	--	--	--
75	96.8	.031	-.020	.007	-.068	-.180
H76	2.0	-.570	-.498	-.490	-.430	-.430
77	6.0	-.554	-.490	-.485	-.425	-.428
78	15.0	-.535	-.470	-.490	-.421	-.418
79	27.5	-.490	-.431	-.463	-.397	-.392
80	40.0	-.420	-.422	-.451	-.382	-.388
81	50.0	-.350	-.408	-.447	-.380	-.365
82	59.0	-.264	-.380	-.431	-.379	-.348
83	67.5	-.200	-.340	-.390	-.365	-.328
84	88.3	-.090	-.198	-.243	-.281	-.300
85	94.2	-.060	-.152	-.161	-.237	-.290

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
86	3.0	0.408	0.410	0.412	0.416	0.428
87	10.0	.170	.181	.185	.192	.203
88	25.0	.156	.163	.167	.175	.189
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	--	--	--	--	--
92	72.5	--	--	--	--	--
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	.403	.393	.385	.387	.394
96	10.0	.225	.217	.210	.213	.222
97	25.0	.116	.110	.106	.107	.117
98	41.0	.044	.039	.033	.033	.043
99	52.5	.023	.017	.008	.003	.009
100	62.5	--	--	--	--	--
101	72.5	--	--	--	--	--
102	86.3	--	--	--	--	--
103	94.5	--	--	--	--	--
104	3.0	.408	.390	.376	.367	.368
105	10.0	.238	.221	.206	.200	.202
106	25.0	.103	.092	.077	.071	.073
107	41.0	.031	.016	-.001	-.012	-.013
108	52.5	.007	-.009	-.028	-.044	-.047
109	62.5	.010	-.004	-.024	-.041	-.043
110	72.5	.031	.021	.001	-.019	-.023
111	85.1	.068	.065	.040	.017	.013
112	94.6	.097	.092	.053	.016	.009
113	3.0	.417	.399	.374	.358	.350
114	10.0	.256	.240	.217	.201	.196
115	25.0	.113	.097	.074	.056	.050
116	41.0	.034	.019	-.006	-.030	-.039
117	52.5	.010	-.008	-.034	-.064	-.074
118	62.5	.013	-.001	-.023	-.052	-.062
119	72.5	.043	.034	.014	-.019	-.028
120	87.4	.081	.080	.060	.026	.017
121	94.2	.066	.058	.029	-.019	-.033
122	3.0	.438	.426	.396	.385	.368
123	10.0	.267	.256	.224	.209	.193
124	25.0	.132	.119	.092	.078	.060
125	41.0	.057	.044	.021	.000	-.022
126	52.5	.041	.027	.003	-.020	-.047
127	62.5	.021	.005	-.024	-.051	-.092
128	72.5	.048	.034	.009	-.017	-.061
129	78.0	.064	.052	.028	.002	-.039
130	85.3	.096	.087	.065	.040	-.004
131	94.1	.094	.085	.057	.028	-.022
132	3.0	.439	.430	.397	.382	.357
133	10.0	.276	.265	.232	.214	.188
134	25.0	.135	.125	.098	.079	.051
135	41.0	.057	.049	.022	-.001	-.035
136	52.5	.030	.015	-.013	-.035	-.074
137	62.5	.033	.019	-.007	-.030	-.072
138	72.5	.056	.044	.020	.001	-.043
139	83.4	--	--	--	--	--
140	94.0	.061	.043	.004	-.028	-.112
141	3.0	.438	.435	.409	.392	.353
142	10.0	.261	.256	.228	.207	.161
143	25.0	.128	.121	.100	.078	.027
144	41.0	.047	.038	.017	-.004	-.063
145	52.5	.024	.020	.003	-.019	-.079
146	62.5	.030	.027	.031	-.005	-.039
147	72.5	.050	.044	.030	.006	-.053
148	84.0	.099	.104	.100	.077	.025
149	92.0	--	--	--	--	--
150	3.0	.310	.311	.316	.311	.285
151	10.0	.156	.149	.151	.139	.106
152	25.0	.028	.015	.006	-.014	-.055
153	41.0	--	--	--	--	--
154	52.5	-.029	-.049	-.060	-.085	-.149
155	62.5	-.009	-.030	-.037	-.061	-.105
156	72.5	.007	-.014	-.019	-.051	-.094
157	84.9	-.006	-.058	-.051	-.117	-.211

NACA

TABLE 16

$$\left[\Lambda = 45^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 10^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number	
		0.60	0.80	0.89	0.925	0.96
A 1	2.0	-1.701	-1.482	-1.271		-1.041
2	6.0	-1.740	-1.330	-.960		-.829
3	15.0	-.560	-.609	-.561		-.475
4	27.5	-.485	-.515	-.460		-.380
5	40.0	--	--	--		--
6	50.0	--	--	--		--
7	59.0	--	--	--		--
8	67.5	--	--	--		--
9	77.5	--	--	--		--
10	87.5	--	--	--		--
11	96.0	--	--	--		--
B12	2.0	--	--	--		--
13	6.0	--	--	--		--
14	15.0	-1.410	-1.175	-.802		-.661
15	27.5	-.453	-.566	-.570		-.480
16	40.0	-.480	-.603	-.565		-.476
17	50.0	-.450	-.605	-.579		-.485
18	59.0	-.395	-.550	-.564		-.490
19	67.5	--	--	--		--
20	77.5	--	--	--		--
21	88.0	--	--	--		--
22	95.3	--	--	--		--
C23	2.0	-1.285	-1.315	-1.374		-1.182
24	6.0	-1.300	-1.331	-1.339		-1.103
25	15.0	-1.380	-1.302	-1.012		-1.031
26	27.5	-1.000	-1.102	-.831		-.622
27	40.0	-.379	-.641	-.695		-.595
28	50.0	-.420	-.570	-.680		-.591
29	59.0	-.385	-.473	-.720		-.629
30	67.5	-.292	-.355	-.680		-.580
31	77.5	-.220	-.270	-.660		-.591
32	88.0	-.141	-.169	-.440		-.519
33	95.3	-.060	-.073	-.233		-.302
D34	2.0	-.995	-1.180	-1.479		-1.200
35	15.0	-1.011	-1.205	-1.329		-1.065
36	27.5	-1.095	-1.180	-.940		-.990
37	40.0	-.940	-.940	-.867		-.702
38	50.0	-.530	-.721	-.859		-.738
39	59.0	-.279	-.375	-.711		-.733
40	67.5	-.215	-.254	-.500		-.740
41	77.5	-.152	-.160	-.300		-.551
42	87.5	-.062	-.060	-.170		-.341
43	94.2	.000	-.020	-.112		-.290
E44	2.0	-.840	-.830	-1.065	-1.188	-1.232
45	6.0	-.825	-.800	-.940	-.942	-1.204
46	15.0	-.830	-.808	-.943	-.938	-1.128
47	27.5	-.850	-.800	-.912	-.903	-1.082
48	40.0	-.902	-.797	-.853	-.861	-1.046
49	50.0	-.910	-.794	-.802	-.790	-.997
50	59.0	-.825	-.783	-.750	-.710	-.844
51	67.5	-.621	-.728	-.663	-.621	-.741
52	77.5	-.263	-.535	-.505	-.499	-.391
53	88.5	.070	-.180	-.310	-.351	-.281
54	95.5	.058	-.090	-.222	-.297	-.283
F55	2.0	-.695	-.632	-.790	-.878	-1.224
56	6.0	-.682	-.630	-.795	-.890	-1.179
57	15.0	-.688	-.640	-.780	-.864	-1.110
58	27.5	-.672	-.645	-.768	-.814	-1.041
59	49.0	-.670	-.650	-.740	-.782	-.980
60	50.0	-.685	-.642	-.708	-.760	-.887
61	59.0	-.693	-.632	-.678	-.731	-.808
62	67.5	-.680	-.622	-.630	-.607	-.711
63	86.5	--	--	--	--	--
64	94.6	--	--	--	--	--
G65	2.0	-.374	-.352	-.362	-.430	-.750
66	6.0	-.369	-.342	-.360	-.427	-.751
67	15.0	-.372	-.350	-.370	-.432	-.718
68	27.5	-.378	-.358	-.380	-.442	-.687
69	40.0	-.390	-.370	-.402	-.451	-.652
70	50.0	-.404	-.384	-.430	-.467	-.625
71	59.0	-.410	-.395	-.450	-.480	-.603
72	67.5	-.415	-.402	-.462	-.488	-.590
73	77.5	-.420	-.412	-.470	-.483	-.571
74	87.2	--	--	--	--	--
75	96.8	-.330	-.338	-.380	-.357	-.416
H76	2.0	-.209	-.238	-.284	-.320	-.429
77	6.0	-.200	-.235	-.284	-.321	-.430
78	15.0	-.201	-.240	-.288	-.320	-.424
79	27.5	-.209	-.240	-.283	-.310	-.403
80	40.0	-.219	-.252	-.300	-.323	-.419
81	50.0	-.224	-.258	-.301	-.328	-.413
82	59.0	-.228	-.260	-.303	-.330	-.410
83	67.5	-.230	-.263	-.308	-.331	-.402
84	88.3	-.231	-.258	-.300	-.320	-.400
85	94.2	-.232	-.258	-.300	-.320	-.398

LOWER SURFACE

Tube	Per-cent chord	Mach Number	
		0.60	0.80	0.89	0.925	0.96
86	3.0	0.507	0.551	0.519	0.527	0.535
87	10.0	.256	.263	.268	.291	.282
88	25.0	.252	.257	.262	.270	.280
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	--	--	--	--	--
92	72.5	--	--	--	--	--
93	84.0	--	--	--	--	--
94	94.9	--	--	--	--	--
95	3.0	.483	.477	.477	.482	.485
96	10.0	.327	.317	.311	.314	.318
97	25.0	.203	.199	.196	.198	.205
98	41.0	.120	.115	.112	.112	.117
99	52.5	.089	.083	.084	.072	.076
100	62.5	--	--	--	--	--
101	72.5	--	--	--	--	--
102	86.3	--	--	--	--	--
103	94.5	--	--	--	--	--
104	3.0	.477	.468	.459	.457	.455
105	10.0	.331	.315	.302	.298	.295
106	25.0	.192	.182	.169	.164	.162
107	41.0	.099	.089	.073	.066	.066
108	52.5	.066	.053	.037	.026	.024
109	62.5	.059	.047	.030	.019	.018
110	72.5	.073	.064	.046	.032	.032
111	85.1	.094	.094	.074	.063	.065
112	94.6	.109	.107	.072	.057	.068
113	3.0	.474	.465	.447	.439	.429
114	10.0	.338	.328	.305	.293	.283
115	25.0	.186	.177	.155	.140	.132
116	41.0	.096	.082	.060	.041	.032
117	52.5	.057	.044	.018	-.007	-.016
118	62.5	.053	.041	.014	-.014	-.021
119	72.5	.073	.062	.037	.003	-.003
120	87.4	.104	.097	.066	.030	-.019
121	94.2	.090	.071	.026	-.033	-.052
122	3.0	.487	.474	.460	.449	.428
123	10.0	.348	.327	.309	.292	.263
124	25.0	.202	.184	.166	.149	.123
125	41.0	.117	.094	.073	.057	.031
126	52.5	.090	.063	.037	.020	-.008
127	62.5	.060	.027	-.006	-.026	-.063
128	72.5	.080	.042	.006	-.013	-.047
129	78.0	.091	.051	.015	-.005	-.036
130	85.3	.123	.077	.037	.017	-.010
131	94.1	.126	.063	.005	-.020	-.039
132	3.0	.479	.467	.456	.441	.413
133	10.0	.338	.321	.309	.290	.257
134	25.0	.190	.173	.161	.143	.112
135	41.0	.097	.078	.064	.044	.013
136	52.5	.054	.025	.007	-.012	-.040
137	62.5	.043	.005	-.009	-.031	-.052
138	72.5	.050	.006	-.004	-.025	-.037
139	83.4	--	--	--	--	--
140	94.0	.010	-.110	-.108	-.143	-.123
141	3.0	.448	.437	.441	.429	.394
142	10.0	.285	.270	.271	.256	.216
143	25.0	.139	.122	.123	.108	.072
144	41.0	.033	.010	.008	-.007	-.031
145	52.5	-.013	-.034	-.036	-.051	-.068
146	62.5	-.017	-.042	-.035	-.058	-.069
147	72.5	-.042	-.068	-.074	-.087	-.101
148	84.0	-.036	-.051	-.048	-.057	-.066
149	92.0	--	--	--	--	
150	3.0	.302	.291	.297	.298	.286
151	10.0	.156	.138	.140	.139	.128
152	25.0	.021	-.010	-.021	-.031	-.046
153	41.0	--	--	--	--	--
154	52.5	-.078	-.112	-.140	-.154	-.213
155	62.5	-.072	-.107	-.134	-.137	-.161
156	72.5	-.076	-.108	-.147	-.154	-.175
157	84.9	-.171	-.202	-.244	-.284	-.347

NACA

TABLE 17

$$\left[\Lambda = -30^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = -2^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	Mach Number 0.60	0.80	0.85	0.89		
A 1	2.0	--	--	--	--		
2	6.0	--	--	--	--		
3	15.0	--	--	--	--		
4	27.5	--	--	--	--		
5	40.0	--	--	--	--		
6	50.0	-0.190	-0.220	-0.240	-0.220		
7	59.0	-.162	-.180	-.181	-.141		
8	67.5	-.103	-.087	-.090	-.075		
9	77.5	--	--	--	--		
10	87.5	--	--	--	--		
11	96.0	--	--	--	--		
B12	2.0	.420	.445	.435	.430		
13	6.0	.108	.120	.120	.128		
14	15.0	-.101	-.136	-.162	-.154		
15	27.5	-.202	-.270	-.330	-.370		
16	40.0	-.252	-.325	-.391	-.500		
17	50.0	-.250	-.310	-.361	-.461		
18	59.0	-.210	-.251	-.282	-.391		
19	67.5	-.143	-.160	-.171	-.112		
20	77.5	-.070	-.072	-.060	-.041		
21	88.0	.037	.046	.040	.059		
22	95.3	--	--	--			
C23	2.0	.398	.450	.440	.430		
24	6.0	.125	.160	.170	.186		
25	15.0	-.068	-.061	-.061	-.050		
26	27.5	-.185	-.222	-.241	-.244		
27	40.0	-.252	-.320	-.376	-.412		
28	50.0	-.230	-.292	-.382	-.472		
29	59.0	-.222	-.271	-.318	-.416		
30	67.5	-.165	-.215	-.260	-.331		
31	77.5	-.076	-.078	-.081	-.079		
32	88.0	.034	.040	.032	.047		
33	95.3	--	--	--			
D34	2.0	.340	.389	.396	.414		
35	15.0	-.068	-.058	-.054	-.047		
36	27.5	-.170	-.196	-.210	-.211		
37	40.0	-.244	-.302	-.343	-.369		
38	50.0	-.252	-.310	-.354	-.402		
39	59.0	-.180	-.228	-.310	-.352		
40	67.5	--	--	--			
41	77.5	-.118	-.070	-.060	-.091		
42	87.5	.010	.005	-.008	-.020		
43	94.2	.068	.070	.059	.052		
E44	2.0	.350	.398	.420			
45	6.0	.090	.120	.152			
46	15.0	-.086	-.090	-.080			
47	27.5	-.188	-.224	-.230			
48	40.0	-.250	-.313	-.340			
49	50.0	-.250	-.311	-.340			
50	59.0	-.218	-.268	-.294			
51	67.5	-.170	-.225	-.255			
52	77.5	-.123	-.115	-.082			
53	88.5	.129	.129	.129			
54	95.5	.078	.062	-.062			
F55	2.0	.350	.400	.423			
56	6.0	.090	.120	.140			
57	15.0	-.080	-.085	-.071			
58	27.5	-.180	-.215	-.224			
59	49.0	-.245	-.310	-.331			
60	50.0	-.240	-.308	-.331			
61	59.0	-.208	-.260	-.281			
62	67.5	-.167	-.220	-.242			
63	86.5	.020	.010	.008			
64	94.6	.048	.040	.038			
G65	2.0	.358	.408	.430			
66	6.0	.098	.125	.150			
67	15.0	-.068	-.070	-.059			
68	27.5	-.170	-.203	-.210			
69	40.0	-.240	-.300	-.320			
70	50.0	-.236	-.301	-.329			
71	59.0	-.196	-.245	-.264			
72	67.5	-.150	-.209	-.230			
73	77.5	-.122	-.180	-.184			
74	87.2	.050	.045	.040			
75	96.8	.060	.050	.060			
H76	2.0	.297	--	.370			
77	6.0	.070	.095	.120			
78	15.0	-.063	-.060	-.048			
79	27.5	-.169	-.195	-.195			
80	40.0	-.222	-.274	-.290			
81	50.0	-.240	-.299	-.320			
82	59.0	-.190	-.241	-.264			
83	67.5	-.140	-.172	-.185			
84	88.3	-.006	-.035	-.040			
85	94.2	--	--	--			

LOWER SURFACE

Tube	Percent chord	Mach Number 0.60	0.80	0.85	0.89		
86	3.0	--	--	--	--		
87	10.0	--	--	--	--		
88	25.0	--	--	--	--		
89	41.0	--	--	--	--		
90	52.5	-0.122	-0.104	-0.095	-0.055		
91	62.5	-.081	-.061	-.052	-.015		
92	72.5	-.030	-.005	.000	.031		
93	84.0	--	--	--	--		
94	94.0	--	--	--	--		
95	3.0	-.961	-.711	1.020	-.920		
96	10.0	-.431	-.711	-1.000	-.983		
97	25.0	-.308	-.390	-.740	-.912		
98	41.0	-.259	-.281	-.230	-.688		
99	52.5	-.192	-.198	-.180	-.144		
100	62.5	-.130	-.118	-.105	-.018		
101	72.5	-.041	-.022	-.020	.034		
102	86.3	.046	.069	.072	.109		
103	94.5	.102	.128	.128	.163		
104	3.0	-.618	-.711	-.831	-.719		
105	10.0	-.392	-.580	-.705	-.709		
106	25.0	-.322	-.450	-.559	-.625		
107	41.0	-.262	-.330	-.490	-.594		
108	52.5	-.230	-.263	-.274	-.580		
109	62.5	-.160	-.171	-.163	-.255		
110	72.5	-.054	-.050	-.043	-.024		
111	85.1	.030	.045	.040	.075		
112	94.6	.092	.109	.105	.126		
113	3.0	-.560	-.711	-.793	-.690		
114	10.0	-.359	-.478	-.600	-.633		
115	25.0	-.312	-.415	-.490	-.587		
116	41.0	-.281	-.362	-.448	-.579		
117	52.5	-.226	-.282	-.335	-.383		
118	62.5	-.150	-.176	-.217	-.233		
119	72.5	-.060	-.070	-.090	-.119		
120	87.4	.049	.050	.019	.012		
121	94.2	.072	.080	.069	.053		
122	3.0	-.450	-.551	-.625			
123	10.0	-.319	-.399	-.435			
124	25.0	-.293	-.381	-.449			
125	41.0	-.261	-.340	-.390			
126	52.5	-.204	-.261	-.301			
127	62.5	-.144	-.170	-.181			
128	72.5	-.060	-.080	-.099			
129	78.0	-.018	-.029	-.039			
130	85.3	.040	.031	.028			
131	94.1	.080	.080	.071			
132	3.0	-.461	-.565	-.628			
133	10.0	-.311	-.389	-.430			
134	25.0	-.280	-.360	-.420			
135	41.0	-.252	-.329	-.385			
136	52.5	-.210	-.270	-.319			
137	62.5	-.141	-.160	-.164			
138	72.5	-.040	-.052	-.069			
139	83.4	.040	.037	.029			
140	94.0	.058	.060	.056			
141	3.0	-.411	-.482	-.518			
142	10.0	-.309	-.380	-.420			
143	25.0	-.272	-.350	-.400			
144	41.0	-.240	-.309	-.350			
145	52.5	-.191	-.251	-.289			
146	62.5	-.111	-.150	-.155			
147	72.5	-.048	-.069	-.080			
148	84.0	.038	.031	.025			
149	92.0	.056	.055	.050			
150	3.0	-.484	-.618	-.660			
151	10.0	-.217	-.250	-.260			
152	25.0	-.218	-.260	-.283			
153	41.0	-.230	-.300	-.350			
154	52.5	-.194	-.253	-.298			
155	62.5	-.113	-.159	-.181			
156	72.5	-.030	-.052	-.062			
157	84.9	.056	.042	.040			

CONFIDENTIAL

NACA

TABLE 18

$$\left[\Lambda = -30^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 0^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.211	-0.238	-0.230	-0.210	-0.582	-0.706
7	59.0	-.178	-.181	-.179	-.120	-.301	-.620
8	67.5	-.112	-.106	-.100	-.050	-.148	-.432
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.128	-.090	-.048	.035	.098	.150
13	6.0	-.251	-.300	-.288	-.221	-.161	-.102
14	15.0	-.291	-.411	-.480	-.438	-.388	-.331
15	27.5	-.320	-.421	-.560	-.570	-.531	-.478
16	40.0	-.322	-.410	-.507	-.688	-.661	-.600
17	50.0	-.293	-.360	-.383	-.626	-.724	-.703
18	59.0	-.231	-.262	-.230	-.490	-.702	-.751
19	67.5	-.163	-.174	-.160	-.090	-.436	-.714
20	77.5	-.080	-.078	-.070	-.023	-.141	-.382
21	88.0	.028	.032	.042	.071	.077	-.122
22	95.3	--	--	--	--	--	--
C23	2.0	-.010	.060	.093	.148	.200	.248
24	6.0	-.161	-.151	-.130	-.081	-.034	.017
25	15.0	-.261	-.302	-.302	-.266	-.221	-.170
26	27.5	-.316	-.410	-.451	-.431	-.391	-.342
27	40.0	-.340	-.448	-.571	-.587	-.549	-.496
28	50.0	-.300	-.390	-.476	-.630	-.680	-.630
29	59.0	-.264	-.348	-.461	-.610	-.721	-.725
30	67.5	-.212	-.222	-.132	-.335	-.630	-.641
31	77.5	-.090	-.097	-.090	-.082	-.211	-.318
32	88.0	.020	.022	.035	.040	-.017	-.142
33	95.3	--	--	--	--	--	--
D34	2.0	-.007	.053	.088	.133	.179	.220
35	15.0	-.245	-.271	-.272	-.250	-.211	-.165
36	27.5	-.295	-.365	-.391	-.390	-.360	-.311
37	40.0	-.330	-.433	-.500	-.540	-.516	-.459
38	50.0	-.320	-.408	-.472	-.558	-.630	-.588
39	59.0	-.240	-.327	-.378	-.452	-.560	-.551
40	67.5	--	--	--	--	--	--
41	77.5	-.065	-.088	-.102	-.139	-.171	-.348
42	87.5	-.002	-.014	-.013	-.034	-.067	-.075
43	94.2	.060	.060	.058	.040	.010	.017
E44	2.0	-.039	.020	.055	.078	.150	.203
45	6.0	-.181	-.170	-.150	-.140	-.075	-.021
46	15.0	-.270	-.304	-.310	-.312	-.255	-.200
47	27.5	-.314	-.385	-.412	-.440	-.390	-.337
48	40.0	-.347	-.438	-.496	-.568	-.527	-.471
49	50.0	-.320	-.400	-.450	-.550	-.604	-.572
50	59.0	-.270	-.340	-.400	-.500	-.548	-.511
51	67.5	-.229	-.315	-.362	-.400	-.510	-.500
52	77.5	-.061	-.067	-.085	-.117	-.099	-.291
53	88.5	.100	.100	.099	.072	.094	-.010
54	95.5	.055	.070	.055	.030	.042	.025
F55	2.0	-.040	.025	.065	.080	.152	.210
56	6.0	-.190	-.263	-.145	-.138	-.073	-.012
57	15.0	-.277	-.289	-.291	-.298	-.241	-.187
58	27.5	-.332	-.370	-.400	-.427	-.379	-.324
59	49.0	-.355	-.425	-.475	-.550	-.513	-.461
60	50.0	-.310	-.385	-.430	-.520	-.563	-.558
61	59.0	-.260	-.331	-.381	-.475	-.520	-.500
62	67.5	-.228	-.315	-.365	-.428	-.509	-.496
63	86.5	-.009	-.010	-.018	-.040	-.022	-.090
64	94.6	.040	.040	.035	.012	.032	.032
G65	2.0	-.006	.060	.099	.110	.171	.230
66	6.0	-.165	-.140	-.118	-.112	-.054	.000
67	15.0	-.250	-.255	-.252	-.262	-.213	-.160
68	27.5	-.300	-.340	-.360	-.389	-.342	-.290
69	40.0	-.342	-.400	-.440	-.505	-.480	-.421
70	50.0	-.298	-.364	-.400	-.468	-.518	-.542
71	59.0	-.242	-.308	-.349	-.424	-.470	-.481
72	67.5	-.210	-.291	-.338	-.415	-.475	-.471
73	77.5	-.029	-.007	-.011	-.043	-.039	-.204
74	87.2	.021	.020	.015	-.010	.018	--
75	96.8	.055	.050	.050	.032	.054	.072
H76	2.0	-.001	.055	.090	.100	.160	.228
77	6.0	-.140	-.128	-.105	-.103	-.048	.010
78	15.0	-.195	-.210	-.201	-.210	-.160	-.110
79	27.5	-.265	-.298	-.308	-.330	-.295	-.254
80	40.0	-.300	-.340	-.361	-.390	-.380	-.345
81	50.0	-.275	-.331	-.371	-.430	-.405	-.410
82	59.0	-.218	-.260	-.285	-.340	-.370	-.370
83	67.5	-.152	-.175	-.200	-.235	-.255	-.280
84	88.3	-.013	-.325	-.040	-.063	-.050	-.054
85	94.2	--	--	--	--	--	--

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.100	-0.120	-0.119	-0.118	-0.085	-0.449
91	62.5	-.067	-.062	-.055	-.052	-.014	-.175
92	72.5	-.019	-.013	-.002	.005	.038	-.031
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	-.180	-.280	-.309	-.340	-.313	-.278
96	10.0	-.170	-.250	-.299	-.417	-.431	-.408
97	25.0	-.200	-.271	-.315	-.432	-.482	-.480
98	41.0	-.200	-.250	-.269	-.341	-.528	-.570
99	52.5	-.166	-.210	-.210	-.135	-.450	-.620
100	62.5	-.102	-.118	-.105	-.095	-.058	-.550
101	72.5	-.020	-.020	-.011	-.007	.048	-.165
102	86.3	.059	.070	.080	.089	.118	.012
103	94.5	.118	.130	.139	.148	.165	.085
104	3.0	-.120	-.156	-.159	-.173	-.152	-.129
105	10.0	-.160	-.220	-.239	-.272	-.255	-.220
106	25.0	-.200	-.270	-.308	-.358	-.364	-.355
107	41.0	-.192	-.258	-.290	-.392	-.448	-.440
108	52.5	-.180	-.230	-.250	-.330	-.460	-.550
109	62.5	-.030	-.171	-.190	-.200	-.409	-.508
110	72.5	.000	-.022	-.013	-.008	-.052	-.209
111	85.1	.048	.049	.060	.062	.060	-.091
112	94.6	.120	.117	.125	.129	.112	-.029
113	3.0	-.118	-.161	-.163	-.182	-.175	-.159
114	10.0	-.132	-.180	-.189	-.210	-.195	-.172
115	25.0	-.192	-.260	-.285	-.325	-.340	-.339
116	41.0	-.202	-.271	-.304	-.370	-.432	-.451
117	52.5	-.173	-.230	-.251	-.310	-.375	-.474
118	62.5	-.119	-.160	-.171	-.119	-.271	-.361
119	72.5	-.030	-.050	-.050	-.070	-.100	-.087
120	87.4	.060	.048	.061	.039	.020	.000
121	94.2	.087	.083	.093	.075	.045	.031
122	3.0	-.020	-.038	-.031	-.045	-.041	-.033
123	10.0	-.089	-.120	-.130	-.140	-.132	-.118
124	25.0	-.155	-.210	-.235	-.261	-.280	-.282
125	41.0	-.171	-.230	-.255	-.290	-.335	-.393
126	52.5	-.130	-.179	-.200	-.221	-.258	-.324
127	62.5	-.093	-.135	-.155	-.187	-.224	-.298
128	72.5	-.040	-.041	-.041	-.045	-.040	-.039
129	78.0	.029	.011	.008	.000	-.010	-.011
130	85.3	.075	.069	.068	.059	.052	.049
131	94.1	.110	.105	.100	.093	.087	.070
132	3.0	-.040	-.060	-.069	-.063	-.060	-.050
133	10.0	-.089	-.120	-.130	-.131	-.127	-.104
134	25.0	-.150	-.203	-.225	-.247	-.264	-.279
135	41.0	-.161	-.221	-.250	-.281	-.313	-.370
136	52.5	-.140	-.182	-.205	-.232	-.260	-.320
137	62.5	-.090	-.140	-.161	-.191	-.221	-.280
138	72.5	-.022	-.011	-.005	-.010	-.011	.000
139	83.4	.078	.069	.069	.064	.063	.058
140	94.0	.083	.074	.070	.060	.058	-.047
141	3.0	-.020	-.033	-.032	-.028	-.010	-.009
142	10.0	-.098	-.130	-.141	-.145	-.132	-.113
143	25.0	-.151	-.202	-.229	-.250	-.263	-.250
144	41.0	-.160	-.219	-.240	-.270	-.310	-.362
145	52.5	-.135	-.180	-.202	-.225	-.249	-.301
146	62.5	-.080	-.121	-.141	-.159	-.169	-.287
147	72.5	-.018	-.040	-.048	-.060	-.059	-.007
148	84.0	.070	.057	.050	.040	.045	.075
149	92.0	.077	.068	.067	.059	.060	.073
150	3.0	-.035	-.050	-.050	-.040	-.014	-.031
151	10.0	-.070	-.090	-.088	-.081	-.054	-.050
152	25.0	-.120	-.152	-.160	-.162	-.146	-.144
153	41.0	-.171	-.232	-.261	-.300	-.283	-.268
154	52.5	-.155	-.213	-.242	-.292	-.360	-.351
155	62.5	-.080	-.130	-.150	-.173	-.235	-.308
156	72.5	-.011	-.040	-.043	-.009	-.060	-.096
157	84.9	.060	.040	.036	.027	.030	.003

NACA

TABLE 19

$$\left[\Lambda = -30°,\ \delta_{a_n} = 0°,\ \alpha = 2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.240	-0.240	-0.181	-0.250	-0.491	-0.772
7	59.0	-.200	-.184	-.141	-.162	-.327	-.583
8	67.5	-.130	-.111	-.079	-.090	-.230	-.420
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.080	-.911	-.728	-.547	-.368	-.265
13	6.0	-.748	-.962	-.830	-.680	-.521	-.431
14	15.0	-.508	-1.020	-.900	-.807	-.680	-.588
15	27.5	-.435	-.762	-.950	-.911	-.795	-.712
16	40.0	-.396	-.352	-.842	-.828	-.815	-.770
17	50.0	-.350	-.355	-.441	-.711	-.794	-.804
18	59.0	-.272	-.270	-.160	-.500	-.731	-.810
19	67.5	-.190	-.180	-.102	-.304	-.502	-.751
20	77.5	-.098	-.080	-.030	-.161	-.318	-.456
21	88.0	.010	.030	.054	.050	-.082	-.320
22	95.3	--	--	--	--	--	--
C23	2.0	-.620	-.536	-.421	-.296	-.161	-.074
24	6.0	-.530	-.584	-.521	-.427	-.311	-.238
25	15.0	-.490	-.620	-.587	-.509	-.420	-.352
26	27.5	-.461	-.678	-.711	-.660	-.574	-.511
27	40.0	-.441	-.639	-.790	-.768	-.691	-.623
28	50.0	-.380	-.551	-.670	-.792	-.778	-.712
29	59.0	-.342	-.250	-.651	-.794	-.840	-.830
30	67.5	-.190	-.200	-.171	-.671	-.764	-.740
31	77.5	-.113	-.106	-.074	-.091	-.241	-.460
32	88.0	.004	.013	.030	-.017	-.138	-.226
33	95.3	--	--	--	--	--	--
D34	2.0	-.548	-.489	-.391	-.289	-.168	-.080
35	15.0	-.450	-.550	-.540	-.479	-.400	-.338
36	27.5	-.438	-.578	-.622	-.598	-.528	-.469
37	40.0	-.432	-.598	-.718	-.711	-.650	-.591
38	50.0	-.400	-.531	-.651	-.731	-.700	-.691
39	59.0	-.315	-.452	-.509	-.622	-.628	-.610
40	67.5	--	--	--	--	--	--
41	77.5	-.112	-.139	-.155	-.178	-.470	-.556
42	87.5	-.022	-.023	-.038	-.063	-.105	-.275
43	94.2	.051	.051	.045	.020	.027	.000
E44	2.0	-.564	-.560	-.443	-.317	-.210	-.100
45	6.0	-.502	-.590	-.540	-.442	-.360	-.270
46	15.0	-.460	-.600	-.582	-.513	-.450	-.371
47	27.5	-.441	-.600	-.657	-.624	-.571	-.500
48	40.0	-.440	-.590	-.700	-.705	-.673	-.608
49	50.0	-.390	-.525	-.630	-.690	-.652	-.573
50	59.0	-.340	-.489	-.603	-.664	-.626	-.553
51	67.5	-.228	-.221	-.218	-.475	-.618	-.540
52	77.5	-.119	-.139	-.140	-.123	-.266	-.348
53	88.5	.070	.070	.069	.050	-.049	-.193
54	95.5	.045	.045	.040	.020	-.045	-.170
F55	2.0	-.550	-.540	-.426	-.304	-.201	-.098
56	6.0	-.489	-.576	-.530	-.440	-.360	-.266
57	15.0	-.445	-.560	-.550	-.490	-.430	-.351
58	27.5	-.430	-.570	-.622	-.595	-.550	-.480
59	49.0	-.429	-.561	-.653	-.690	-.652	-.590
60	50.0	-.380	-.500	-.590	-.639	-.610	-.550
61	59.0	-.335	-.470	-.570	-.606	-.590	-.542
62	67.5	-.233	-.223	-.265	-.483	-.553	-.516
63	86.5	-.025	-.031	-.040	-.049	-.175	-.290
64	94.6	.030	.030	.023	.010	-.040	-.170
G65	2.0	-.480	-.455	-.364	-.255	-.169	-.071
66	6.0	-.445	-.510	-.485	-.404	-.238	-.250
67	15.0	-.405	-.491	-.504	-.442	-.392	-.320
68	27.5	-.400	-.509	-.560	-.528	-.490	-.425
69	40.0	-.409	-.514	-.595	-.619	-.605	-.541
70	50.0	-.360	-.452	-.514	-.570	-.628	-.613
71	59.0	-.305	-.420	-.488	-.552	-.590	-.548
72	67.5	-.250	-.330	-.423	-.513	-.588	-.550
73	77.5	-.071	-.073	-.070	-.056	-.095	-.392
74	87.2	.000	-.002	-.010	-.005	-.010	--
75	96.8	.050	.050	.050	.049	.040	.069
H76	2.0	-.379	-.352	-.289	-.210	-.043	-.051
77	6.0	-.380	-.420	-.393	-.340	-.290	-.220
78	15.0	-.335	-.379	-.385	-.352	-.313	-.253
79	27.5	-.347	-.418	-.436	-.442	-.420	-.365
80	40.0	-.340	-.421	-.448	-.467	-.485	-.451
81	50.0	-.315	-.390	-.444	-.450	-.495	-.490
82	59.0	-.245	-.300	-.331	-.370	-.404	-.430
83	67.5	-.160	-.200	-.224	-.245	-.289	-.309
84	88.3	-.032	-.053	-.065	-.083	-.093	-.081
85	94.2	.010	--	--	--	--	--

LOWER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.071	-0.093	-0.103	-0.119	-0.135	-0.429
91	62.5	-.046	-.044	-.045	-.049	-.050	-.179
92	72.5	-.005	.005	.003	.003	-.004	-.075
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.310	0.280	.250	.208	.149	.138
96	10.0	.079	.051	.031	-.003	-.041	-.041
97	25.0	-.080	-.128	-.155	-.205	-.259	-.250
98	41.0	-.131	-.175	-.200	-.250	-.389	-.429
99	52.5	-.119	-.149	-.165	-.199	-.330	-.459
100	62.5	-.071	-.080	-.092	-.105	-.133	-.384
101	72.5	.000	.004	.002	-.003	-.005	-.161
102	86.3	.068	.082	.090	.089	.075	-.030
103	94.5	.120	.140	.150	.150	.130	.065
104	3.0	.270	.270	.255	.233	.202	.195
105	10.0	.069	.062	.053	.033	.009	.010
106	25.0	-.066	-.090	-.115	-.143	-.175	-.172
107	41.0	-.113	-.150	-.180	-.225	-.285	-.310
108	52.5	-.120	-.158	-.178	-.218	-.315	-.368
109	62.5	-.080	-.108	-.119	-.158	-.249	-.299
110	72.5	-.030	.000	-.079	-.070	-.145	-.183
111	85.1	.070	.070	.079	.070	.030	-.092
112	94.6	.128	.139	.145	.129	.061	-.055
113	3.0	.238	.238	.225	.205	.175	.169
114	10.0	.071	.070	.061	.050	.030	.032
115	25.0	-.064	-.090	-.109	-.129	-.158	-.160
116	41.0	-.120	-.158	-.180	-.219	-.265	-.295
117	52.5	-.111	-.145	-.170	-.203	-.250	-.276
118	62.5	-.073	-.100	-.123	-.150	-.200	-.221
119	72.5	-.002	-.010	-.024	-.045	-.085	-.095
120	87.4	.079	.085	.075	.062	.043	.031
121	94.2	.094	.100	.095	.080	.062	.055
122	3.0	.288	.315	.300	.380	.275	.255
123	10.0	.093	.110	.100	.086	.175	.078
124	25.0	-.048	-.059	-.071	-.092	-.110	-.122
125	41.0	-.100	-.128	-.149	-.174	-.203	-.238
126	52.5	-.080	-.100	-.120	-.140	-.169	-.200
127	62.5	-.058	-.074	-.090	-.110	-.131	-.165
128	72.5	-.020	-.040	-.055	-.079	-.108	-.148
129	78.0	.013	.011	.000	-.002	-.021	-.082
130	85.3	.091	.090	.082	.071	.050	.000
131	94.1	.112	.111	.109	.093	.060	.008
132	3.0	.272	.299	.286	.277	.253	.240
133	10.0	.091	.108	.100	.089	.080	.079
134	25.0	-.044	-.054	-.070	-.089	-.110	-.111
135	41.0	-.093	-.121	-.141	-.167	-.195	-.226
136	52.5	-.091	-.111	-.120	-.152	-.178	-.204
137	62.5	-.050	-.069	-.082	-.101	-.121	-.143
138	72.5	-.018	-.043	-.061	-.088	-.119	-.130
139	83.4	.094	.099	.096	.091	.090	.070
140	94.0	.082	.079	.070	.060	.041	-.018
141	3.0	.270	.300	.291	.280	.276	.270
142	10.0	.072	.086	.079	.071	.067	.068
143	25.0	-.050	-.061	-.080	-.098	-.090	-.121
144	41.0	-.100	-.130	-.150	-.171	-.190	-.231
145	52.5	-.090	-.115	-.139	-.155	-.175	-.193
146	62.5	-.050	-.079	-.090	-.110	-.121	-.144
147	72.5	-.005	-.011	-.023	-.031	-.040	-.064
148	84.0	.096	.075	.068	.060	.059	.087
149	92.0	.078	.070	.065	.057	.059	.069
150	3.0	.242	.271	.271	.268	.270	.241
151	10.0	.060	.079	.080	.080	.095	.103
152	25.0	-.041	-.050	-.051	-.056	-.049	-.051
153	41.0	-.128	-.162	-.185	-.210	-.219	-.207
154	52.5	-.123	-.170	-.199	-.233	-.282	-.302
155	62.5	-.067	-.104	-.124	-.150	-.177	-.273
156	72.5	-.007	-.025	-.036	-.045	-.045	-.047
157	84.9	.046	.021	.016	.009	.010	.008

NACA

TABLE 20

$$\left[\Lambda = -30^\circ, \; \delta_{a_n} = 0^\circ, \; \alpha = 4^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.230	-0.430	-0.545	-0.541	-0.404	-0.614
7	59.0	-.200	-.321	-.500	-.534	-.378	-.498
8	67.5	-.134	-.220	-.432	-.500	-.346	-.430
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.616	-1.268	-1.171	-.962	-.761	-.632
13	6.0	-1.190	-1.202	-1.020	-.919	-.867	-.749
14	15.0	-.848	-.764	-.610	-.662	-.921	-.821
15	27.5	-.571	-.578	-.550	-.545	-.940	-.860
16	40.0	-.451	-.611	-.493	-.543	-.889	-.881
17	50.0	-.378	-.512	-.485	-.469	-.760	-.853
18	59.0	-.290	-.382	-.430	-.421	-.611	-.820
19	67.5	-.200	-.270	-.338	-.353	-.544	-.734
20	77.5	-.100	-.158	-.235	-.268	-.450	-.585
21	88.0	.009	-.030	-.132	-.205	-.313	-.478
22	95.3	--	--	--	--	--	--
C23	2.0	-1.405	-1.042	-.800	-.620	-.470	-.370
24	6.0	-.947	-1.118	-.925	-.770	-.638	-.533
25	15.0	-.701	-1.071	-.928	-.799	-.680	-.580
26	27.5	-.600	-.952	-.932	-.861	-.753	-.662
27	40.0	-.521	-.493	-.866	-.814	-.845	-.753
28	50.0	-.423	-.445	-.591	-.711	-.850	-.802
29	59.0	-.348	-.388	-.438	-.630	-.881	-.859
30	67.5	-.230	-.256	-.211	-.517	-.815	-.781
31	77.5	-.130	-.144	-.097	-.187	-.321	-.525
32	88.0	-.011	-.017	-.020	-.060	-.230	-.290
33	95.3	--	--	--	--	--	--
D34	2.0	-1.170	-.960	-.757	-.598	-.561	-.370
35	15.0	-.643	-.971	-.862	-.745	-.631	-.540
36	27.5	-.560	-.840	-.887	-.800	-.701	-.620
37	40.0	-.520	-.740	-.934	-.898	-.812	-.730
38	50.0	-.448	-.529	-.877	-.904	-.840	-.800
39	59.0	-.333	-.440	-.555	-.766	-.780	-.718
40	67.5	--	--	--	--	--	--
41	77.5	-.135	-.143	-.134	-.221	-.560	-.617
42	87.5	-.031	-.029	-.016	-.063	-.271	-.430
43	94.2	.030	.028	.050	.031	.000	-.045
E44	2.0	-1.303	-1.068	-.865	-.674	-.532	-.395
45	6.0	-.988	-1.135	-.970	-.805	-.678	-.557
46	15.0	-.644	-1.050	-.950	-.810	-.695	-.580
47	27.5	-.570	-.895	-.970	-.858	-.760	-.660
48	40.0	-.520	-.678	-.980	-.920	-.823	-.668
49	50.0	-.440	-.530	-.850	-.824	-.750	-.642
50	53.0	-.356	-.415	-.642	-.751	-.694	-.633
51	67.5	-.259	-.290	-.300	-.559	-.591	-.550
52	77.5	-.139	-.147	-.133	-.235	-.382	-.404
53	88.5	.000	.020	-.180	-.071	-.180	-.352
54	95.5	.018	.025	-.180	-.080	-.206	-.340
F55	2.0	-1.202	-1.050	-.860	-.680	-.542	-.402
56	6.0	-.900	-1.100	-.945	-.790	-.664	-.532
57	15.0	-.620	-.992	-.930	-.800	-.690	-.576
58	27.5	-.552	-.830	-.944	-.840	-.748	-.643
59	49.0	-.510	-.688	-.884	-.808	-.715	-.660
60	50.0	-.437	-.522	-.880	-.803	-.745	-.634
61	59.0	-.349	-.408	-.570	-.629	-.592	-.609
62	67.5	-.248	-.297	-.325	-.575	-.563	-.568
63	86.5	-.044	-.050	-.050	-.170	-.427	-.453
64	94.6	.014	.010	.015	-.035	-.230	-.345
G65	2.0	-1.082	-.970	-.779	-.631	-.522	-.368
66	6.0	-.794	-1.040	-.909	-.761	-.642	-.512
67	15.0	-.580	-.828	-.876	-.761	-.660	-.542
68	27.5	-.503	-.705	-.790	-.763	-.694	-.590
69	40.0	-.494	-.650	-.770	-.771	-.721	-.635
70	50.0	-.418	-.549	-.712	-.720	-.711	-.682
71	59.0	-.317	-.380	-.628	-.715	-.693	-.650
72	67.5	-.230	-.273	-.260	-.643	-.703	-.652
73	77.5	-.105	-.126	-.122	-.110	-.277	-.512
74	87.2	-.022	-.041	-.045	-.041	-.042	--
75	96.8	.040	.010	.020	.022	.026	.060
H76	2.0	-.850	-.860	-.738	-.590	-.472	-.332
77	6.0	-.653	-.809	-.797	-.680	-.575	-.451
78	15.0	-.488	-.609	-.630	-.592	-.538	-.451
79	27.5	-.440	-.550	-.603	-.580	-.524	-.455
80	40.0	-.400	-.515	-.558	-.590	-.578	-.530
81	50.0	-.358	-.460	-.533	-.550	-.580	-.550
82	59.0	-.272	-.350	-.409	-.459	-.468	-.475
83	67.5	-.186	-.242	-.280	-.310	-.343	-.352
84	88.3	-.059	-.100	-.124	-.140	-.148	-.126
85	94.2	--	--	--	--	--	--

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.040	-0.079	-0.120	-0.158	-0.194	-0.371
91	62.5	-.029	-.043	-.073	-.100	-.095	-.245
92	72.5	.009	-.002	-.040	-.071	-.062	-.099
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.590	.553	.519	.489	•.452	.442
96	10.0	.264	.245	.215	.193	.170	.170
97	25.0	.024	-.011	-.043	-.075	-.109	-.111
98	41.0	-.069	-.109	-.149	-.191	-.261	-.281
99	52.5	-.072	-.111	-.149	-.189	-.269	-.348
100	62.5	-.040	-.065	-.095	-.121	-.184	-.305
101	72.5	.020	.005	-.021	-.041	-.064	-.165
102	86.3	.070	.075	.041	.020	.015	-.100
103	94.5	.120	.125	.079	.040	.051	-.025
104	3.0	.539	.520	.499	.479	.451	.450
105	10.0	.258	.250	.239	.221	.203	.210
106	25.0	.050	.035	.019	.000	-.021	-.019
107	41.0	-.040	-.073	-.099	-.130	-.171	-.179
108	52.5	-.064	-.100	-.128	-.165	-.225	-.255
109	62.5	-.040	-.063	-.085	-.119	-.178	-.221
110	72.5	.011	-.009	-.034	-.068	-.125	-.165
111	85.1	.070	.091	.081	.065	.015	-.039
112	94.6	.130	.135	.129	.119	.039	-.025
113	3.0	.491	.482	.460	.449	.420	.415
114	10.0	.248	.250	.238	.229	.215	.215
115	25.0	.050	.040	.029	.011	-.008	-.005
116	41.0	-.040	-.065	-.085	-.109	-.139	-.147
117	52.5	-.051	-.079	-.100	-.130	-.169	-.175
118	62.5	-.030	-.050	-.070	-.099	-.139	-.159
119	72.5	.014	-.005	-.001	-.020	-.059	-.071
120	87.4	.071	.130	.100	.080	.045	.030
121	94.2	.110	.105	.100	.083	.048	.041
122	3.0	.512	.530	.523	.504	.524	.477
123	10.0	.255	.272	.275	.261	.269	.250
124	25.0	.060	.061	.060	.043	.028	.038
125	41.0	-.028	-.041	-.050	-.071	-.108	-.110
126	52.5	-.030	-.040	-.049	-.070	-.108	-.108
127	62.5	-.022	-.030	-.040	-.062	-.105	-.110
128	72.5	.010	.010	.000	-.025	-.070	-.091
129	78.0	.035	.030	.027	.000	-.045	-.071
130	85.3	.065	.069	.073	.042	-.010	-.043
131	94.1	.110	.125	.120	.078	.014	-.002
132	3.0	.501	.519	.518	.498	.518	.469
133	10.0	.250	.270	.278	.260	.260	.251
134	25.0	.060	.070	.060	.049	.034	.037
135	41.0	-.025	-.039	-.042	-.062	-.091	-.092
136	52.5	-.040	-.055	-.066	-.083	-.119	-.112
137	62.5	-.015	-.022	-.029	-.044	-.071	-.064
138	72.5	.029	.020	.016	-.003	-.030	-.031
139	83.4	.083	.120	.130	.129	.130	.098
140	94.0	.070	.081	.078	.056	.024	-.028
141	3.0	.490	.518	.520	.502	.530	.484
142	10.0	.229	.250	.258	.250	.259	.240
143	25.0	.050	.053	.051	.041	.031	.029
144	41.0	-.032	-.049	-.052	-.070	-.098	-.095
145	52.5	-.040	-.060	-.070	-.085	-.124	-.109
146	62.5	-.015	-.031	-.031	-.040	-.062	-.066
147	72.5	.020	.005	-.002	-.010	-.020	-.023
148	84.0	.060	.090	.093	.100	.087	.122
149	92.0	.065	.071	.070	.069	.060	.090
150	3.0	.500	.525	.539	.527	.558	.465
151	10.0	.198	.221	.240	.240	.259	.268
152	25.0	.040	.050	.059	.059	.062	.060
153	41.0	-.070	-.091	-.100	-.110	-.132	-.122
154	52.5	-.085	-.121	-.141	-.168	-.220	-.217
155	62.5	-.039	-.081	-.091	-.109	-.145	-.153
156	72.5	.008	.010	-.022	-.030	-.042	-.009
157	84.9	.026	.010	-.004	-.009	-.018	-.005

NACA

TABLE 21

$$\left[\Lambda = -30^{\circ},\ \delta_{a_n} = 0^{\circ},\ \alpha = 7^{\circ}\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-.504	-0.594	-0.571	-0.573	-0.586	-0.710
7	59.0	-.432	-.597	-.582	-.596	-.600	-.709
8	67.5	-.358	-.571	-.568	-.587	-.601	-.690
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	-.171
B12	2.0	-.660	-.528	-1.285	-1.161	-1.080	-1.015
13	6.0	-.678	-.542	-1.140	-1.090	-.980	-.938
14	15.0	-.691	-.540	-.521	-.513	-.665	-.838
15	27.5	-.738	-.561	-.531	-.540	-.558	-.751
16	40.0	-.690	-.580	-.532	-.543	-.575	-.752
17	50.0	-.613	-.590	-.533	-.541	-.574	-.741
18	59.0	-.542	-.599	-.532	-.541	-.540	-.630
19	67.5	-.458	-.584	-.492	-.511	-.510	-.520
20	77.5	-.346	-.540	-.410	-.441	-.426	-.422
21	88.0	-.207	-.403	-.269	-.300	-.308	-.480
22	95.3	--	--	--	--	-.295	-.525
C23	2.0	-1.424	-1.369	-1.267	-1.050	-.881	-.761
24	6.0	-1.311	-1.350	-1.239	-1.068	-.934	-.824
25	15.0	-.880	-1.002	-1.130	-1.039	-.927	-.832
26	27.5	-.611	-.678	-.929	-.978	-.930	-.870
27	40.0	-.560	-.530	-.650	-.797	-.881	-.872
28	50.0	-.492	-.452	-.544	-.648	-.781	-.838
29	59.0	-.428	-.400	-.452	-.546	-.650	-.811
30	67.5	-.311	-.331	-.390	-.460	-.563	-.748
31	77.5	-.218	-.290	-.373	-.440	-.538	-.722
32	88.0	-.110	-.207	-.260	-.335	-.451	-.592
33	95.3	--	--	--	--	--	--
D34	2.0	-1.991	-1.422	-1.173	-.961	-.804	-.692
35	15.0	-.848	-1.302	-1.158	-1.002	-.890	-.792
36	27.5	-.660	-1.212	-1.094	-1.024	-.921	-.831
37	40.0	-.561	-.761	-1.071	-.990	-.960	-.882
38	50.0	-.468	-.550	-.856	-.980	-.922	-.893
39	59.0	-.350	-.374	-.660	-.851	-.858	-.820
40	67.5	--	--	--	--	--	--
41	77.5	-.158	-.120	-.130	-.251	-.498	-.743
42	87.5	-.080	-.060	-.132	-.198	-.231	-.340
43	94.2	-.050	-.021	-.120	-.188	-.228	-.242
E 44	2.0	-1.911	-1.520	-1.253	-1.058	-.916	-.759
45	6.0	-1.662	-1.500	-1.279	-1.118	-.975	-.836
46	15.0	-1.080	-1.407	-1.213	-1.071	-.952	-.829
47	27.5	-.690	-1.328	-1.150	-1.051	-.960	-.856
48	40.0	-.561	-.895	-.956	-.940	-.857	-.810
49	50.0	-.459	-.710	-.805	-.809	-.708	-.804
50	59.0	-.357	-.530	-.730	-.745	-.663	-.768
51	67.5	-.260	-.310	-.519	-.631	-.626	-.682
52	77.5	-.160	-.153	-.310	-.380	-.500	-.530
53	88.5	-.060	-.070	-.241	-.370	-.500	-.396
54	95.5	-.047	-.061	-.230	-.370	-.461	-.407
F55	2.0	-1.948	-1.535	-1.268	-1.075	-.921	-.762
56	6.0	-1.780	-1.489	-1.268	-1.098	-.958	-.811
57	15.0	-.950	-1.410	-1.204	-1.070	-.950	-.820
58	27.5	-.680	-1.303	-1.139	-1.042	-.931	-.850
59	49.0	-.569	-1.020	-1.048	-1.000	-.904	-.820
60	50.0	-.460	-.630	-.710	-.735	-.808	-.814
61	59.0	-.359	-.515	-.645	-.630	-.667	-.632
62	67.5	-.266	-.370	-.590	-.610	-.652	-.600
63	86.5	-.090	-.085	-.393	-.598	-.660	-.595
64	94.6	.048	-.012	-.231	-.475	-.583	-.554
G65	2.0	-1.991	-1.503	-1.240	-1.050	-.896	-.741
66	6.0	-1.618	-1.470	-1.248	-1.074	-.939	-.792
67	15.0	-.867	-1.365	-1.190	-1.048	-.930	-.800
68	27.5	-.653	-1.264	-1.140	-1.060	-.949	-.830
69	40.0	-.570	-1.080	-1.082	-1.004	-.970	-.868
70	50.0	-.460	-.550	-1.063	-.900	-.920	-.821
71	59.0	-.350	-.375	-.890	-.985	-.917	-.818
72	67.5	-.251	-.270	-.748	-.874	-.900	-.802
73	77.5	-.142	-.144	-.125	-.215	-.676	-.624
74	87.2	-.079	-.070	-.050	-.050	-.040	--
75	96.8	-.035	-.020	.000	.009	-.003	-.004
H76	2.0	-1.468	-1.400	-1.150	-.975	-.837	-.688
77	6.0	-.960	-1.360	-1.140	-.980	-.856	-.743
78	15.0	-.700	-1.190	-1.080	-.955	-.860	-.736
79	27.5	-.583	-.752	-.910	-.882	-.823	-.713
80	40.0	-.500	-.651	-.742	-.721	-.698	-.642
81	50.0	-.430	-.583	-.650	-.700	-.676	-.640
82	59.0	-.336	-.445	-.540	-.580	-.598	-.572
83	67.5	-.250	-.325	-.375	-.420	-.450	-.444
84	88.3	-.111	-.183	-.209	-.233	-.247	-.223
85	94.2	--	--	--	--	--	--

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-.036	-.104	-.130	-.175	-.229	-.289
91	62.5	-.038	-.099	-.109	-.134	-.153	-.179
92	72.5	-.021	-.088	-.095	-.119	-.130	-.108
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.720	.735	.735	.714	.690	.690
96	10.0	.390	.395	.394	.375	.360	.370
97	25.0	.109	.084	.075	.050	.033	.045
98	41.0	-.020	-.069	-.087	-.123	-.160	-.155
99	52.5	-.050	-.105	-.128	-.169	-.225	-.238
100	62.5	-.070	-.089	-.101	-.138	-.177	-.229
101	72.5	.000	-.049	-.052	-.075	-.095	-.129
102	86.3	.026	-.029	-.025	-.040	-.050	-.060
103	94.5	.029	-.040	-.030	-.045	-.055	-.050
104	3.0	.716	.709	.700	.682	.670	.675
105	10.0	.420	.420	.419	.402	.395	.403
106	25.0	.166	.159	.153	.138	.128	.142
107	41.0	.028	.001	-.015	-.041	-.065	-.051
108	52.5	-.020	-.058	-.079	-.119	-.155	-.151
109	62.5	-.018	-.055	-.072	-.110	-.152	-.162
110	72.5	.020	-.009	-.021	-.054	-.089	-.100
111	85.1	.056	.033	.029	.008	-.009	-.040
112	94.6	.080	.045	.062	.049	.045	.010
113	3.0	.698	.675	.670	.650	.638	.640
114	10.0	.422	.420	.419	.403	.395	.405
115	25.0	.178	.173	.169	.151	.145	.158
116	41.0	.048	.031	.018	-.009	-.025	-.010
117	52.5	.010	-.011	-.034	-.064	-.088	-.075
118	62.5	.009	-.009	-.039	-.072	-.100	-.090
119	72.5	.040	.031	.009	-.031	-.055	-.049
120	87.4	.090	.125	.079	.045	.019	.025
121	94.2	.070	.185	.042	.003	-.029	-.019
122	3.0	.710	.720	.701	.698		.690
123	10.0	.436	.451	.440	.437		.440
124	25.0	.191	.202	.190	.187		.186
125	41.0	.069	.066	.049	.039		.029
126	52.5	.040	.039	.021	.006		-.009
127	62.5	.027	.019	.000	-.021		-.041
128	72.5	.045	.041	.014	-.011		-.049
129	78.0	.057	.056	.025	-.007		-.042
130	85.3	.089	.096	.058	.020		-.017
131	94.1	.090	.106	.042	-.004		.002
132	3.0	.710	.720	.703	.698		.690
133	10.0	.430	.450	.442	.440		.442
134	25.0	.195	.202	.198	.190		.198
135	41.0	.075	.071	.062	.054		.042
136	52.5	.031	.024	.011	.002		-.018
137	62.5	.038	.031	.021	.010		-.002
138	72.5	.065	.064	.059	.050		.032
139	83.4	.107	.121	.129	.124		.100
140	94.0	.045	.059	.048	.019		-.066
141	3.0	.700	.720	.710	.704		.704
142	10.0	.415	.440	.432	.430		.440
143	25.0	.190	.200	.198	.196		.198
144	41.0	.069	.062	.053	.050		.040
145	52.5	.032	.021	.017	.009		-.002
146	62.5	.040	.040	.024	.020		.015
147	72.5	.060	.050	.036	.040		.032
148	84.0	.100	.100	.106	.110		.154
149	92.0	.060	.051	.059	.067		.087
150	3.0	.757	.785	.763	.769		.750
151	10.0	.399	.415	.413	.417		.440
152	25.0	.170	.191	.192	.197		.208
153	41.0	.028	.018	.010	.006		.009
154	52.5	-.014	-.045	-.058	-.070		-.008
155	62.5	.015	-.020	-.032	-.042		-.050
156	72.5	.041	.018	.010	.000		.018
157	84.9	.030	÷.011	-.027	-.034		-.030

NACA

TABLE 22

$$\left[\Lambda = -30^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 10^\circ\right]$$

— CONFIDENTIAL —

UPPER SURFACE

Tube	Percent chord	Mach Number 0.60	0.80				
A 1	2.0	--	--				
2	6.0	--	--				
3	15.0	--	--				
4	27.5	--	--				
5	40.0	--	--				
6	50.0	-0.368	-0.414				
7	59.0	-.343	-.380				
8	67.5	-.334	-.360				
9	77.5	--	--				
10	87.5	--	--				
11	96.0	--	--				
B12	2.0	-.518	-.530				
13	6.0	-.555	-.562				
14	15.0	-.588	-.585				
15	27.5	-.612	-.622				
16	40.0	-.580	-.620				
17	50.0	-.528	-.560				
18	59.0	-.480	-.510				
19	67.5	-.451	-.465				
20	77.5	-.427	-.431				
21	88.0	-.370	-.402				
22	95.3	--	--				
C23	2.0	-.788	-.852				
24	6.0	-.780	-.851				
25	15.0	-.768	-.809				
26	27.5	-.700	-.737				
27	40.0	-.645	-.670				
28	50.0	-.590	-.580				
29	59.0	-.590	-.558				
30	67.5	-.542	-.492				
31	77.5	-.517	-.470				
32	88.0	-.411	-.428				
33	95.3	--	--				
D34	2.0	-.962	-1.231				
35	15.0	-.890	-1.039				
36	27.5	-.862	-.830				
37	40.0	-.840	-.628				
38	50.0	-.781	-.534				
39	59.0	-.620	-.470				
40	67.5	--	--				
41	77.5	-.538	-.542				
42	87.5	-.400	-.518				
43	94.2	-.301	-.470				
E44	2.0	-.970	-1.240				
45	6.0	-.982	-1.259				
46	15.0	-.970	-1.098				
47	27.5	-.973	-.961				
48	40.0	-.966	-.848				
49	50.0	-.930	-.780				
50	59.0	-.869	-.730				
51	67.5	-.790	-.680				
52	77.5	-.640	-.628				
53	88.5	-.409	-.509				
54	95.5	-.240	-.450				
F55	2.0	-1.106	-1.495				
56	6.0	-1.132	-1.510				
57	15.0	-1.120	-1.340				
58	27.5	-1.125	-1.058				
59	49.0	-1.100	-.869				
60	50.0	-1.014	-.800				
61	59.0	-.890	-.755				
62	67.5	-.720	-.710				
63	86.5	-.189	-.529				
64	94.6	-.047	-.385				
G65	2.0	-1.472	-1.720				
66	6.0	-1.519	-1.628				
67	15.0	-1.500	-1.523				
68	27.5	-1.400	-1.460				
69	40.0	-1.049	-1.110				
70	50.0	-.617	-.930				
71	59.0	-.350	-.720				
72	67.5	-.251	-.540				
73	77.5	-.147	-.288				
74	87.2	-.070	-.060				
75	96.8	-.026	-.015				
H76	2.0	-2.300	-1.663				
77	6.0	-2.238	-1.600				
78	15.0	-.954	-1.480				
79	27.5	-.740	-1.340				
80	40.0	-.598	-.849				
81	50.0	-.510	-.756				
82	59.0	-.402	-.545				
83	67.5	-.319	-.410				
84	88.3	-.174	-.245				
85	94.2	--	--				

LOWER SURFACE

Tube	Percent chord	Mach Number 0.60	0.80				
86	3.0	--	--				
87	10.0	--	--				
88	25.0	--	--				
89	41.0	--	--				
90	52.5	-0.060	-0.119				
91	62.5	-.072	-.113				
92	72.5	-.072	-.114				
93	84.0	--	--				
94	94.0	--	--				
95	3.0	.809	.850				
96	10.0	.471	.502				
97	25.0	.161	.159				
98	41.0	.003	-.030				
99	52.5	-.050	-.097				
100	62.5	-.060	-.108				
101	72.5	-.038	-.074				
102	86.3	-.042	-.069				
103	94.5	-.072	-.090				
104	3.0	.780	.815				
105	10.0	.501	.533				
106	25.0	.230	.245				
107	41.0	.060	.045				
108	52.5	-.003	-.039				
109	62.5	-.022	-.068				
110	72.5	-.002	-.048				
111	85.1	.000	-.045				
112	94.6	-.028	-.063				
113	3.0	.770	.795				
114	10.0	.513	.539				
115	25.0	.257	.269				
116	41.0	.102	.091				
117	52.5	.060	.020				
118	62.5	.030	-.015				
119	72.5	.048	.000				
120	87.4	.080	.029				
121	94.2	.020	-.069				
122	3.0	.780	.822				
123	10.0	.518	.560				
124	25.0	.265	.297				
125	41.0	.123	.130				
126	52.5	.080	.078				
127	62.5	.055	.035				
128	72.5	.060	.028				
129	78.0	.061	.022				
130	85.3	.090	.038				
131	94.1	.070	-.021				
132	3.0	.790	.828				
133	10.0	.530	.568				
134	25.0	.280	.303				
135	41.0	.141	.150				
136	52.5	.085	.080				
137	62.5	.075	.068				
138	72.5	.095	.076				
139	83.4	.139	.128				
140	94.0	.075	-.002				
141	3.0	.806	.834				
142	10.0	.538	.568				
143	25.0	.290	.312				
144	41.0	.141	.150				
145	52.5	.095	.098				
146	62.5	.085	.110				
147	72.5	.090	.092				
148	84.0	.129	.158				
149	92.0	.065	.072				
150	3.0	.880	.900				
151	10.0	.540	.562				
152	25.0	.279	.309				
153	41.0	.101	.110				
154	52.5	.048	.038				
155	62.5	.050	.040				
156	72.5	.060	.053				
157	84.9	.010	-.028				

NACA

TABLE 23

$$\left[\Lambda = -45°,\ \delta_{a_n} = 0°,\ \alpha = -2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	
2	6.0	--	--	--	--	--
3	15.0	--	--	--	--	--
4	27.5	--	--	--	--	--
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	-0.092	-0.100	-0.100	-0.094	-0.238
8	67.5	-.064	-.065	-.068	-.050	-.120
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	--	--	--	--	--
15	27.5	-.156	-.193	-.250	-.330	-.333
16	40.0	-.171	-.205	-.249	-.352	-.394
17	50.0	-.164	-.190	-.222	-.304	-.405
18	59.0	-.140	-.163	-.174	-.209	-.392
19	67.5	-.100	-.112	-.124	-.120	-.330
20	77.5	-.053	-.062	-.070	-.060	-.244
21	88.0	.018	.018	.010	.018	-.094
22	95.3	--	--			
C23	2.0	.353	.395	.410	.420	.440
24	6.0	.120	.152	.167	.176	.190
25	15.0	-.044	-.043	-.045	-.041	-.021
26	27.5	-.130	-.158	-.190	-.200	-.185
27	40.0	-.170	-.203	-.260	-.291	-.283
28	50.0	-.160	-.188	-.261	-.340	-.340
29	59.0	-.152	-.180	-.225	-.314	-.322
30	67.5	-.106	-.126	-.158	-.241	-.274
31	77.5	-.060	-.080	-.102	-.164	-.248
32	88.0	.028	.008	-.013	-.043	-.160
33	95.3	--	--	--	--	--
D34	2.0	.268	.295	.298	.298	.294
35	15.0	-.038	-.034	-.038	-.043	-.050
36	27.5	-.107	-.118	-.128	-.138	-.142
37	40.0	-.158	-.178	-.200	-.210	-.217
38	50.0	-.160	-.186	-.210	-.228	-.217
39	59.0	-.117	-.152	-.192	-.220	-.220
40	67.5	--	--	--	--	--
41	77.5	-.090	-.080	-.100	-.124	-.120
42	87.5	.000	-.020	-.048	-.080	-.078
43	94.2	.038	.018	-.009	-.040	-.038
E44	2.0	.271	.291	.295	.294	.260
45	6.0	.105	.100	.100	.100	.070
46	15.0	-.037	-.040	-.052	-.059	-.100
47	27.5	-.107	-.118	-.135	-.145	-.185
48	40.0	-.151	-.170	-.198	-.210	-.250
49	50.0	-.151	-.170	-.198	-.211	-.260
50	59.0	-.136	-.151	-.180	-.191	-.239
51	67.5	-.110	-.121	-.148	-.160	-.200
52	77.5	-.061	-.069	-.069	-.065	-.082
53	88.5	.098	-.010	.079	.073	.059
54	95.5	.010	-.009	-.003	-.009	-.025
F55	2.0	--	--	--	--	--
56	6.0	.091	.109	.105	.105	.070
57	15.0	-.035	-.030	-.041	-.050	-.085
58	27.5	-.105	-.112	-.130	-.140	-.181
59	49.0	-.148	-.161	-.180	-.200	-.245
60	50.0	-.149	-.165	-.185	-.201	-.249
61	59.0	-.131	-.145	-.161	-.180	-.220
62	67.5	-.103	-.118	-.140	-.151	-.196
63	86.5	-.005	.011	-.025	-.031	-.051
64	94.6	.005	.002	.010	-.015	-.045
G65	2.0	.302	.330	.335	.350	.315
66	6.0	.115	.135	.132	.139	.112
67	15.0	-.010	-.005	-.012	-.011	-.040
68	27.5	-.081	-.089	-.101	-.107	-.140
69	40.0	-.130	-.140	-.160	-.170	-.202
70	50.0	-.134	-.149	-.171	-.180	-.212
71	59.0	-.110	-.120	-.141	-.150	-.189
72	67.5	-.081	-.091	-.112	-.123	-.161
73	77.5	-.055	-.069	-.081	-.083	-.120
74	87.2	.035	.030	.019	.009	-.024
75	96.8	.061	.040	.022	.010	-.020
H76	2.0	.258	.291	.310	.310	.295
77	6.0	.090	.119	.120	.142	.120
78	15.0	-.010	.000	.000	.010	-.010
79	27.5	-.075	-.071	-.080	-.072	-.090
80	40.0	-.119	-.121	-.140	-.140	-.160
81	50.0	-.129	-.141	-.162	-.170	-.209
82	59.0	-.110	-.122	-.145	-.151	-.180
83	67.5	-.080	-.095	-.115	-.124	-.175
84	88.3	-.012	-.020	-.030	-.030	-.055
85	94.2	.012	-.011	.003	.008	-.020

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
86	3.0	--	--	--	--	--
87	10.0	--	--	--	--	--
88	25.0	--	--	--	--	--
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	-0.046	-0.043	-0.029	-0.020	-0.059
92	72.5	-.015	-.009	-.006	.003	-.026
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	--	--	--	--	--
96	10.0	--	--	--	--	--
97	25.0	-.161	-.132	-.286	-.375	-.476
98	41.0	-.155	-.150	-.143	-.161	-.344
99	52.5	-.116	-.118	-.103	-.080	-.259
100	62.5	-.083	-.083	-.074	-.052	-.147
101	72.5	-.030	-.029	-.024	-.010	-.072
102	86.3	.016	.016	.019	.027	-.030
103	94.5	.056	.055	.054	.060	.000
104	3.0	-.627	-.853	-.829	-.826	-.811
105	10.0	-.374	-.485	-.439	-.490	-.644
106	25.0	-.259	-.365	-.455	-.457	-.454
107	41.0	--	--	--	--	--
108	52.5	--	--	--	--	--
109	62.5	-.116	-.133	-.144	-.344	-.383
110	72.5	-.049	-.061	-.068	-.152	-.315
111	85.1	-.002	-.007	-.017	-.029	-.213
112	94.6	.046	.034	.025	.010	-.149
113	3.0	-.455	-.567	-.632	-.670	-.689
114	10.0	-.285	-.330	-.364	-.466	-.505
115	25.0	-.229	-.285	-.301	-.321	-.383
116	41.0	-.198	-.246	-.281	-.289	-.303
117	52.5	-.163	-.202	-.241	-.244	-.237
118	62.5	--	--	--	--	--
119	72.5	-.056	-.079	-.118	-.138	-.121
120	87.4	.014	.005	-.051	-.050	-.038
121	94.2	.028	.011	-.017	-.052	-.041
122	3.0	-.374	-.444	-.489	-.518	-.514
123	10.0	-.246	-.287	-.301	-.328	-.351
124	25.0	-.211	-.248	-.272	-.295	-.347
125	41.0	-.181	-.214	-.240	-.261	-.297
126	52.5	-.129	-.155	-.171	-.112	-.190
127	62.5	-.103	-.126	-.142	-.149	-.151
128	72.5	-.059	-.078	-.093	-.102	-.112
129	78.0	-.025	-.040	-.051	-.058	-.059
130	85.3	.008	-.004	-.016	-.020	-.021
131	94.1	.021	.010	.000	-.007	-.009
132	3.0	--	--	--	--	--
133	10.0	-.229	-.271	-.286	-.303	-.326
134	25.0	-.195	-.229	-.250	-.287	-.325
135	41.0	-.169	-.200	-.225	-.242	-.284
136	52.5	-.139	-.164	-.184	-.192	-.242
137	62.5	-.089	-.109	-.125	-.134	-.151
138	72.5	-.043	-.058	-.068	-.076	-.090
139	83.4	.010	-.001	-.009	-.012	-.019
140	94.0	.027	.016	.008	.002	-.009
141	3.0	-.328	-.371	-.379	-.375	-.371
142	10.0	-.228	-.262	-.279	-.278	-.278
143	25.0	-.185	-.215	-.236	-.263	-.267
144	41.0	-.156	-.181	-.196	-.200	-.225
145	52.5	-.125	-.145	-.161	-.169	-.181
146	62.5	-.060	-.086	-.092	-.099	-.110
147	72.5	-.042	-.057	-.068	-.076	-.098
148	84.0	.016	.004	-.002	-.006	-.016
149	92.0	.033	.026	.024	.022	.012
150	3.0	-.299	-.334	-.338	-.337	-.336
151	10.0	-.176	-.186	-.177	-.162	-.147
152	25.0	.322	.224	.168	.117	.080
153	41.0	-.159	-.184	-.208	-.231	-.221
154	52.5	-.130	-.153	-.173	-.196	-.256
155	62.5	.078	-.092	-.104	-.109	-.148
156	72.5	-.022	-.025	-.027	-.025	-.027
157	84.9	.027	.026	.029	.029	.032

NACA

TABLE 24

$$\left[\Lambda = -45^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 2^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--
2	6.0	--	--	--	--	--
3	15.0	--	--	--	--	--
4	27.5	--	--	--	--	--
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	-0.103	-0.100	-0.080	-0.053	-0.123
8	67.5	-.074	-.070	-.052	-.030	-.065
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	--	--	--	--	--
15	27.5	-.258	-.231	-.290	-.591	-.644
16	40.0	-.232	-.241	-.152	-.500	-.597
17	50.0	-.208	-.219	-.145	-.269	-.560
18	59.0	-.170	-.172	-.125	-.062	-.421
19	67.5	-.110	-.124	-.093	-.024	-.282
20	77.5	-.066	-.068	-.098	-.003	-.128
21	88.0	.008	.010	.020	.034	-.060
22	95.3	--	--	--	--	--
C23	2.0	-.680	-.703	-.583	-.510	-.430
24	6.0	-.510	-.592	-.540	-.510	-.460
25	15.0	-.411	-.578	-.548	-.530	-.490
26	27.5	-.338	-.463	-.580	-.561	-.541
27	40.0	-.300	-.368	-.600	-.570	-.570
28	50.0	-.240	-.262	-.525	-.530	-.514
29	59.0	-.210	-.230	-.411	-.532	-.494
30	67.5	-.147	-.160	-.172	-.440	-.390
31	77.5	-.090	-.100	-.070	-.332	-.370
32	88.0	.000	-.004	.017	-.094	-.251
33	95.3	--	--	--	--	--
D34	2.0	-.450	-.481	-.432	-.388	-.332
35	15.0	-.338	-.398	-.422	-.428	-.410
36	27.5	-.310	-.372	-.410	-.440	-.430
37	40.0	-.300	-.370	-.410	-.438	-.451
38	50.0	-.262	-.328	-.375	-.397	-.407
39	59.0	-.200	-.240	-.304	-.325	-.333
40	67.5	--	--	--	--	--
41	77.5	-.093	-.120	-.164	-.170	-.171
42	87.5	-.030	-.041	-.083	-.102	-.093
43	94.2	.015	.000	-.040	-.060	-.050
E44	2.0	-.421	-.451	-.435	-.385	-.210
45	6.0	-.352	-.400	-.410	-.390	-.241
46	15.0	-.320	-.371	-.400	-.400	-.269
47	27.5	-.302	-.350	-.393	-.400	-.295
48	40.0	-.291	-.348	-.380	-.400	-.300
49	50.0	-.260	-.300	-.339	-.355	-.251
50	59.0	-.219	-.252	-.300	-.311	-.211
51	67.5	-.151	-.173	-.183	-.200	-.100
52	77.5	-.080	-.093	-.100	-.110	.000
53	88.5	.055	.045	.035	-.030	.160
54	95.5	.000	.005	-.015	-.020	.105
F55	2.0	--	--	--	--	--
56	6.0	-.331	-.370	-.390	-.360	-.205
57	15.0	-.302	-.341	-.375	-.371	-.230
58	27.5	-.286	-.329	-.365	-.373	-.250
59	49.0	-.279	-.319	-.358	-.365	-.260
60	50.0	-.250	-.281	-.320	-.328	-.264
61	59.0	-.219	-.252	-.295	-.310	-.198
62	67.5	-.165	-.165	-.200	-.229	-.162
63	86.5	-.030	-.035	-.950	-.055	.041
64	94.6	.000	-.001	-.011	-.015	.062
G65	2.0	-.288	-.300	-.179	-.231	-.060
66	6.0	-.271	-.300	-.302	-.281	-.130
67	15.0	-.250	-.280	-.300	-.295	-.158
68	27.5	-.248	-.275	-.295	-.295	-.171
69	40.0	-.241	-.275	-.300	-.302	-.181
70	50.0	-.221	-.245	-.270	-.275	-.170
71	59.0	-.190	-.215	-.240	-.250	-.142
72	67.5	-.160	-.183	-.225	-.242	-.125
73	77.5	-.039	-.040	-.046	-.040	-.115
74	87.2	.000	-.002	-.010	-.012	.029
75	96.8	.025	.021	.018	.012	.105
H76	2.0	-.223	-.223	-.205	-.170	.110
77	6.0	-.231	-.249	-.245	-.229	-.008
78	15.0	-.200	-.220	-.220	-.210	-.075
79	27.5	-.193	-.211	-.215	-.200	-.071
80	40.0	-.200	-.215	-.231	-.225	-.059
81	50.0	-.181	-.203	-.221	-.225	-.070
82	59.0	-.148	-.161	-.180	-.181	-.100
83	67.5	-.110	-.121	-.141	-.140	-.055
84	88.3	-.030	-.040	-.049	-.045	-.039
85	94.2	-.003	-.010	-.018	-.010	-.081

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
86	3.0	--	--	--	--	--
87	10.0	--	--	--	--	--
88	25.0	--	--	--	--	--
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	-0.028	-0.032	-0.036	-0.035	-0.098
92	72.5	-.003	-.005	-.005	-.005	-.049
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	--	--	--	--	--
96	10.0	--	--	--	--	--
97	25.0	-.065	-.097	-.136	-.187	-.239
98	41.0	-.088	-.110	-.139	-.172	-.268
99	52.5	-.069	-.085	-.106	-.139	-.235
100	62.5	-.055	-.067	-.079	-.093	-.214
101	72.5	-.013	.003	.003	-.003	-.151
102	86.3	.036	.032	.031	.032	-.065
103	94.5	.077	.075	.078	.082	.005
104	3.0	.262	.270	.260	.243	.241
105	10.0	.069	.065	.051	.036	.038
106	25.0	-.042	-.064	-.095	-.120	-.121
107	41.0	--	--	--	--	--
108	52.5	--	--	--	--	--
109	62.5	-.059	-.083	-.114	-.165	-.210
110	72.5	-.015	-.019	-.037	-.075	-.155
111	85.1	.023	.015	.003	-.035	-.113
112	94.6	.061	.055	.049	.010	-.091
113	3.0	.185	.181	.168	.150	.140
114	10.0	.053	.053	.043	.031	.026
115	25.0	-.032	-.045	-.062	-.075	-.079
116	41.0	-.068	-.085	-.106	-.120	-.120
117	52.5	-.068	-.087	-.108	-.125	-.122
118	62.5	--	--	--	--	--
119	72.5	-.022	-.035	-.057	-.077	-.081
120	87.4	.050	.034	.014	-.007	-.004
121	94.2	.047	.030	.005	-.020	-.025
122	3.0	.123	.219	.211	.193	.172
123	10.0	.053	.068	.060	.048	.030
124	25.0	-.042	-.037	-.049	-.062	-.080
125	41.0	-.075	-.065	-.088	-.099	-.117
126	52.5	-.063	-.059	-.071	-.081	-.098
127	62.5	-.052	-.049	-.062	-.071	-.086
128	72.5	-.032	-.028	-.040	-.049	-.064
129	78.0	-.012	-.009	-.015	-.019	-.024
130	85.3	.028	.037	.031	.026	.019
131	94.1	.026	.030	.022	.017	.010
132	3.0	--	--	--	--	--
133	10.0	.051	.066	.059	.045	.028
134	25.0	-.037	-.033	-.044	-.055	-.073
135	41.0	-.070	-.071	-.084	-.105	-.115
136	52.5	-.070	-.070	-.081	-.090	-.106
137	62.5	-.043	-.041	-.049	-.057	-.071
138	72.5	-.020	-.019	-.030	-.041	-.058
139	83.4	.031	.046	.042	.040	.028
140	94.0	.031	.034	.025	.021	.008
141	3.0	.177	.205	.210	.201	.194
142	10.0	.036	.054	.052	.040	.037
143	25.0	-.043	-.036	-.042	-.049	-.058
144	41.0	-.072	-.068	-.076	-.082	-.092
145	52.5	-.068	-.066	-.075	-.081	-.090
146	62.5	-.046	-.044	-.055	-.059	-.070
147	72.5	-.026	-.022	-.031	-.037	-.050
148	84.0	.028	.040	.034	.031	.018
149	92.0	.030	.037	.033	.031	.021
150	3.0	.153	.188	.200	.202	.207
151	10.0	.038	.069	.083	.089	.097
152	25.0	.226	.163	.130	.087	.053
153	41.0	-.098	-.101	-.116	-.127	-.136
154	52.5	-.095	-.102	-.120	-.134	-.178
155	62.5	-.057	-.060	-.072	-.078	-.086
156	72.5	-.017	-.007	-.008	-.006	-.006
157	84.9	.006	.018	.018	.020	.019

NACA

TABLE 25

$$\left[\Lambda = -45^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 7^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--
2	6.0	--	--	--	--	--
3	15.0	--	--	--	--	--
4	27.5	--	--	--	--	--
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	-0.151	-0.339	-0.400	-0.438	-0.528
8	67.5	-.120	-.299	-.388	-.438	-.540
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	--	-.--	--	--	--
15	27.5	-.672	-.632	-.650	-.662	-.730
16	40.0	-.580	-.644	-.658	-.672	-.735
17	50.0	-.460	-.602	-.622	-.655	-.710
18	59.0	-.352	-.540	-.582	-.613	-.700
19	67.5	-.258	-.462	-.520	-.562	-.648
20	77.5	-.163	-.369	-.443	-.482	-.565
21	88.0	-.088	-.232	-.285	-.322	-.356
22	95.3	--	--	--	--	--
C23	2.0	-.800	-.635	-.798	-.783	-.800
24	6.0	-.810	-.748	-.812	-.780	-.810
25	15.0	-.758	-.621	-.740	-.738	-.762
26	27.5	-.700	-.608	-.690	-.717	-.750
27	40.0	-.580	-.540	-.621	-.698	-.731
28	50.0	-.418	-.521	-.538	-.620	-.647
29	59.0	-.343	-.458	-.530	-.561	-.564
30	67.5	-.260	-.350	-.430	-.478	-.485
31	77.5	-.195	-.270	-.310	-.330	-.330
32	88.0	-.110	-.192	-.205	-.231	-.254
33	95.3	--	--	--	--	--
D34	2.0	-1.465	-1.255	-1.217	-1.172	-1.060
35	15.0	-.628	-.943	-1.052	-1.058	-.981
36	27.5	-.482	-.560	-.804	-.988	-.953
37	40.0	-.436	-.446	-.497	-.812	-.902
38	50.0	-.351	-.367	-.340	-.311	-.500
39	59.0	-.252	-.331	-.338	-.268	-.437
40	67.5	--	--	--	--	--
41	77.5	-.155	-.191	-.173	-.133	-.170
42	87.5	-.104	-.146	-.130	-.100	-.100
43	94.2	-.082	-.113	-.121	-.101	-.093
E44	2.0	-1.421	-1.539	-1.315	-1.341	-1.050
45	6.0	-1.379	-1.478	-1.270	-1.300	-1.019
46	15.0	-.922	-1.041	-1.159	-1.210	-.952
47	27.5	-.478	-.552	-.989	-1.113	-.906
48	40.0	-.400	-.419	-.565	-.975	-.871
49	50.0	-.338	-.351	-.348	-.753	-.704
50	59.0	-.265	-.281	-.237	-.415	-.300
51	67.5	-.205	-.225	-.185	-.500	-.240
52	77.5	-.130	-.150	-.120	-.357	-.160
53	88.5	-.081	-.094	-.081	-.210	-.162
54	95.5	-.088	-.090	-.081	-.149	-.108
F55	2.0	--	--	--	--	--
56	6.0	-1.374	-1.478	-1.250	-1.290	-.999
57	15.0	-.680	-1.000	-1.135	-1.210	-.941
58	27.5	-.505	-.611	-.993	-1.142	-.897
59	40.0	-.400	-.447	-.515	-.761	-.760
60	50.0	-.330	-.359	-.371	-.860	-.500
61	59.0	-.260	-.280	-.293	-.719	-.322
62	67.5	-.200	-.220	-.220	-.334	-.245
63	86.5	-.100	-.103	-.119	-.139	-.140
64	94.6	-.075	-.070	-.084	-.108	-.110
G65	2.0	-1.548	-1.304	-1.261	-1.300	-1.009
66	6.0	-1.070	-1.280	-1.125	-1.260	-.969
67	15.0	-.600	-.882	-1.125	-1.148	-.858
68	27.5	-.445	-.540	-.580	-1.099	-.781
69	40.0	-.381	-.413	-.451	-.890	-.482
70	50.0	-.315	-.340	-.371	-1.509	-.427
71	59.0	-.246	-.265	-.280	-.351	-.305
72	67.5	-.190	-.199	-.220	-.319	-.235
73	77.5	-.110	-.112	-.122	-.183	-.135
74	87.2	-.079	-.072	-.072	-.130	-.090
75	96.8	-.042	-.030	-.040	-.113	-.060
H76	2.0	-1.434	-1.295	-1.170	-1.257	-.925
77	6.0	-.660	-1.245	-1.189	-1.021	-.769
78	15.0	-.475	-.502	-.630	-1.050	-.690
79	27.5	-.371	-.408	-.395	-.542	-.383
80	40.0	-.320	-.355	-.351	-.541	-.380
81	50.0	-.280	-.312	-.327	-.430	-.330
82	59.0	-.230	-.260	-.277	-.360	-.270
83	67.5	-.190	-.220	-.235	-.330	-.231
84	88.3	-.135	-.162	-.185	-.350	-.192
85	94.2	-.098	-.120	-.130	-.245	-.124

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
86	3.0	--	--	--	--	--
87	10.0	--	--	--	--	--
88	25.0	--	--	--	--	--
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	-0.022	-0.060	-0.101	-0.130	-0.159
92	72.5	-.008	-.048	-.088	-.121	-.164
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	--	--	--	--	--
96	10.0	--	--	--	--	--
97	25.0	-.038	.000	-.033	-.044	-.036
98	41.0	-.022	-.063	-.102	-.115	-.109
99	52.5	-.028	-.072	-.117	-.141	-.144
100	62.5	-.032	-.075	-.115	-.139	-.129
101	72.5	.003	-.043	-.080	-.102	-.099
102	86.3	.010	-.036	-.073	-.101	-.125
103	94.5	.020	-.037	-.071	-.096	-.117
104	3.0	.649	.676	.686	.689	.694
105	10.0	-.046	.403	.411	.415	.425
106	25.0	.148	.146	.143	.145	.158
107	41.0	--	--	--	--	--
108	52.5	--	--	--	--	--
109	62.5	-.015	-.051	-.081	-.089	-.082
110	72.5	.013	-.022	-.049	-.055	-.044
111	85.1	.013	-.017	-.044	-.062	-.051
112	94.6	.020	-.022	-.049	-.062	-.056
113	3.0	.566	.561	.556	.559	.565
114	10.0	.365	.370	.370	.373	.383
115	25.0	.176	.182	.183	.187	.200
116	41.0	.076	.074	.075	.079	.091
117	52.5	.031	.026	.023	.025	.038
118	62.5	--	--	--	--	--
119	72.5	.037	.023	.015	.018	.025
120	87.4	.050	.050	.054	.043	.057
121	94.2	.017	.004	-.012	-.003	.002
122	3.0	.489	.572	.566	.563	.556
123	10.0	.281	.368	.364	.361	.356
124	25.0	.175	.186	.184	.182	.177
125	41.0	.086	.091	.087	.084	.079
126	52.5	.061	.078	.063	.061	.057
127	62.5	.036	.036	.031	.027	.023
128	72.5	.037	.033	.025	.021	.013
129	78.0	.048	.044	.040	.037	.031
130	85.3	.053	.052	.051	.048	.044
131	94.1	.028	.024	.023	.020	.013
132	3.0	--	--	--	--	--
133	10.0	.352	.367	.364	.363	.359
134	25.0	.173	.187	.187	.185	.183
135	41.0	.084	.091	.087	.085	.081
136	52.5	.047	.050	.045	.044	.039
137	62.5	.033	.045	.041	.038	.035
138	72.5	.050	.053	.049	.047	.045
139	83.4	.064	.066	.064	.063	.061
140	94.0	.020	.014	.003	-.004	-.011
141	3.0	.549	.565	.568	.570	.569
142	10.0	.331	.352	.357	.358	.360
143	25.0	.166	.182	.186	.188	.189
144	41.0	.077	.087	.089	.091	.093
145	52.5	.047	.053	.054	.054	.056
146	62.5	.043	.048	.045	.045	.045
147	72.5	.041	.044	.042	.041	.039
148	84.0	.074	.073	.073	.075	.076
149	92.0	.046	.041	.037	.039	.040
150	3.0	.539	.563	.574	.580	.585
151	10.0	.314	.344	.359	.367	.375
152	25.0	-.368	.188	.227	.233	.249
153	41.0	.037	.044	.046	.049	.053
154	52.5	.000	.001	-.001	-.002	-.005
155	62.5	.017	.016	.031	.012	.011
156	72.5	.043	.048	.053	.059	.065
157	84.9	-.009	-.001	-.001	.003	.011

NACA

TABLE 26

$$\left[\Lambda = -45^\circ,\ \delta_{a_n} = 0^\circ,\ \alpha = 10^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number				
		0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--
2	6.0	--	--	--	--	--
3	15.0	--	--	--	--	--
4	27.5	--	--	--	--	--
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	-0.190	-0.310	-0.252	-0.220	-0.353
8	67.5	-.229	-.380	-.356	-.332	-.431
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	--	--	--	--	--
15	27.5	-.485	-.383	-.488	-.620	-.783
16	40.0	-.502	-.451	-.550	-.635	-.800
17	50.0	-.500	-.512	-.581	-.648	-.780
18	59.0	-.472	-.525	-.575	-.622	-.739
19	67.5	-.434	-.520	-.560	-.592	-.692
20	77.5	-.388	-.490	-.527	-.549	-.624
21	88.0	-.270	-.398	-.430	-.442	-.490
22	95.3	--	--	--	--	--
C23	2.0	-.780	-.580	-.698	-.785	-.999
24	6.0	-.800	-.591	-.708	-.788	-.980
25	15.0	-.791	-.591	-.723	-.782	-.942
26	27.5	-.790	-.611	-.730	-.782	-.885
27	40.0	-.725	-.658	-.702	-.756	-.861
28	50.0	-.580	-.640	-.668	-.698	-.755
29	59.0	-.546	-.638	-.662	-.700	-.750
30	67.5	-.500	-.580	-.600	-.633	-.602
31	77.5	-.412	-.528	-.552	-.594	-.491
32	88.0	-.172	-.282	-.388	-.454	-.412
33	95.3	--	--	--	--	--
D34	2.0	-1.149	-.825	-1.131	-1.100	-1.208
35	15.0	-1.063	-.871	-1.072	-1.021	-1.110
36	27.5	-.800	-.950	-.950	-.951	-1.041
37	40.0	-.815	-.925	-.828	-.802	-.913
38	50.0	-.828	-.931	-.773	-.719	-.464
39	59.0	-.580	-.753	-.622	-.519	-.421
40	67.5	--	--	--	--	--
41	77.5	-.172	-.203	-.490	-.590	-.480
42	87.5	-.063	.039	-.250	-.389	-.333
43	94.2	-.028	.048	-.115	-.230	-.269
E44	2.0	-1.160	-1.020	-1.482		-1.210
45	6.0	-1.195	-1.032	-1.399		-1.175
46	15.0	-1.200	-1.053	-1.360		-1.112
47	27.5	-1.110	-1.090	-.981		-1.045
48	40.0	-.750	-1.080	-.880		-.990
49	50.0	-.644	-1.019	-.644		-.830
50	59.0	-.542	-.921	-.502		-.451
51	67.5	-.330	-.600	-.464		-.449
52	77.5	-.149	-.041	-.280		-.531
53	88.5	-.030	.050	-.111		-.230
54	95.5	-.060	-.009	-.118		-.119
F55	2.0	--	--	--		--
56	6.0	-1.240	-1.135	-1.437		-1.165
57	15.0	-1.160	-1.148	-1.320		-1.105
58	27.5	-1.012	-1.124	-1.200		-1.049
59	40.0	-1.034	-1.100	-.731		-.790
60	50.0	-.661	-1.010	-.631		-.783
61	59.0	-.260	-.750	-.610		-.698
62	67.5	-.173	-.200	-.294		-.588
63	86.5	-.090	-.055	-.160		-.130
64	94.6	-.052	-.040	-.111		-.105
G65	2.0	-1.298	-1.305	-1.434		-1.179
66	6.0	-1.321	-1.329	-1.345		-1.141
67	15.0	-1.361	-1.302	-1.295		-1.060
68	27.5	-1.210	-1.160	-1.161		-.981
69	40.0	-.290	-.822	-.710		-.950
70	50.0	-.285	-.320	-.440		-.630
71	59.0	-.265	-.262	-.330		-.345
72	67.5	-.200	-.220	-.310		-.271
73	77.5	-.115	-.160	-.170		-.190
74	87.2	-.090	-.115	-.120		-.115
75	96.8	-.064	-.090	-.102		-.090
H76	2.0	-1.880	--	-1.380		-1.132
77	6.0	-1.820	-1.580	-1.300		-1.072
78	15.0	-.625	-.852	-1.130		-.959
79	27.5	-.491	-.579	-.605		-.512
80	40.0	-.411	-.570	-.538		-.490
81	50.0	-.359	-.400	-.429		-.410
82	59.0	-.320	-.354	-.381		-.370
83	67.5	-.275	-.318	-.330		-.312
84	88.3	-.249	-.290	-.341		-.338
85	94.2	-.179	-.210	-.225		-.231

LOWER SURFACE

Tube	Per-cent chord	Mach Number				
		0.60	0.80	0.89	0.925	0.96
86	3.0	--	--	--	--	--
87	10.0	--	--	--	--	--
88	25.0	--	--	--	--	--
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	-0.023	-0.088	-0.111	-0.131	-0.155
92	72.5	-.022	-.096	-.120	-.139	-.167
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	--	--	--	--	--
96	10.0	--	--	--	--	--
97	25.0	.097	.063	.049	.041	.046
98	41.0	.020	-.021	-.042	-.054	-.052
99	52.5	.005	-.042	-.069	-.092	-.101
100	62.5	-.006	-.060	-.083	-.107	-.111
101	72.5	.015	-.044	-.063	-.085	-.095
102	86.3	.004	-.065	-.082	-.105	-.136
103	94.5	-.009	-.103	-.112	-.126	-.147
104	3.0	.751	.769	.806	.810	.813
105	10.0	.506	.513	.541	.545	.550
106	25.0	.241	.235	.248	.253	.263
107	41.0	--	--	--	--	--
108	52.5	--	--	--	--	--
109	62.5	.030	.004	-.020	-.036	-.036
110	72.5	.050	.025	.001	-.018	-.022
111	85.1	.047	.019	-.003	-.041	-.057
112	94.6	.053	.025	-.009	-.058	-.070
113	3.0	.651	.658	.675	.681	.685
114	10.0	.480	.487	.501	.506	.511
115	25.0	.279	.286	.298	.303	.314
116	41.0	.159	.161	.168	.171	.184
117	52.5	.104	.101	.099	.100	.112
118	62.5	--	--	--	--	--
119	72.5	.086	.084	.066	.063	.071
120	87.4	.094	.098	.086	.065	.069
121	94.2	.061	.074	.029	.010	.001
122	3.0	.649	.670	.514	.679	.676
123	10.0	.470	.487	.487	.491	.488
124	25.0	.278	.293	.292	.295	.294
125	41.0	.166	.177	.175	.178	.177
126	52.5	.132	.141	.135	.137	.136
127	62.5	.093	.100	.086	.085	.084
128	72.5	.087	.091	.069	.067	.063
129	78.0	.090	.097	.071	.072	.070
130	85.3	.093	.104	.075	.076	.077
131	94.1	.064	.079	.035	.035	.036
132	3.0	--	--	--	--	--
133	10.0	.468	.487	.489	.494	.492
134	25.0	.281	.296	.297	.302	.302
135	41.0	.167	.179	.178	.181	.181
136	52.5	.117	.126	.122	.125	.124
137	62.5	.102	.106	.098	.100	.102
138	72.5	.100	.102	.091	.093	.094
139	83.4	.100	.104	.090	.093	.095
140	94.0	.048	.039	.006	.003	.002
141	3.0	.648	.672	.681	.692	.694
142	10.0	.457	.478	.485	.494	.498
143	25.0	.272	.291	.300	.309	.313
144	41.0	.160	.175	.181	.190	.194
145	52.5	.114	.127	.131	.138	.143
146	62.5	.094	.109	.106	.120	.117
147	72.5	.081	.089	.089	.095	.097
148	84.0	.096	.102	.103	.109	.113
149	92.0	.050	.048	.044	.048	.051
150	3.0	.659	.685	.703	.717	.722
151	10.0	.447	.472	.491	.506	.513
152	25.0	-.149	.204	.232	.241	.250
153	41.0	.120	.134	.146	.158	.166
154	52.5	.067	.072	.076	.085	.090
155	62.5	.067	.068	.071	.078	.083
156	72.5	.079	.087	.094	.104	.112
157	84.9	-.020	-.007	-.010	-.005	.002

NACA

TABLE 27

$$\left[\Lambda = 30°,\ \delta_{a_n}^* = -10.0°,\ \alpha = -2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89		
A 1	2.0	0.266	0.372	0.378	0.390		
2	6.0	.134	.157	.166	.181		
3	15.0	-.020	.007	.007	.032		
4	27.5	-.099	-.089	-.079	-.065		
5	40.0	--	--	--	--		
6	50.0	--	--	--	--		
7	59.0	--	--	--	--		
8	67.5	--	--	--	--		
9	77.5	--	--	--	--		
10	87.5	--	--	--	--		
11	96.0	--	--	--	--		
B12	2.0	.320	.360	.368	.371		
13	6.0	.093	.122	.130	.142		
14	15.0	-.062	-.054	-.046	-.032		
15	27.5	-.166	-.183	-.178	-.166		
16	40.0	-.239	-.290	-.300	-.294		
17	50.0	-.256	-.328	-.360	-.370		
18	59.0	-.238	-.312	-.359	-.402		
19	67.5	-.192	-.260	-.303	-.372		
20	77.5	-.129	-.180	-.210	-.263		
21	88.0	-.047	-.076	-.096	-.122		
22	95.3	--	--	--	--		
C23	2.0	.328	.360	.359	.365		
24	6.0	.084	.098	.104	.115		
25	15.0	-.082	-.091	-.088	-.077		
26	27.5	-.186	.224	-.230	-.223		
27	40.0	-.262	-.337	-.368	-.370		
28	50.0	-.266	-.361	-.422	-.464		
29	59.0	-.246	-.324	-.375	-.472		
30	67.5	--	--	--	--		
31	77.5	-.083	-.103	-.111	-.139		
32	88.0	.023	.027	.019	.041		
33	95.3	.110	.115	.111	.123		
D34	2.0	.277	.315	.314	.312		
35	15.0	-.082	-.104	-.109	-.105		
36	27.5	-.185	-.248	-.267	-.269		
37	40.0	-.259	-.349	-.398	-.435		
38	50.0	-.264	-.355	-.411	-.517		
39	59.0	-.206	-.292	-.350	-.454		
40	67.5	-.179	-.264	-.322	-.400		
41	77.5	-.130	-.030	-.039	-.032		
42	87.5	.041	.043	.046	.068		
43	94.2	.103	.122	.125	.141		
E44	2.0	.393	.387	.382	.368		
45	6.0	.127	.111	.102	.089		
46	15.0	-.045	-.083	-.100	-.117		
47	27.5	-.145	-.207	-.240	-.274		
48	40.0	-.210	-.294	-.349	-.435		
49	50.0	-.204	-.283	-.332	-.450		
50	59.0	-.167	-.231	-.270	-.393		
51	67.5	-.122	-.177	-.166	-.098		
52	77.5	.041	.037	.033	.052		
53	88.5	.212	.226	.229	.233		
54	95.5	.152	.175	.183	.194		
F55	2.0	.393	.376	.366	.345		
56	6.0	.149	.127	.116	.094		
57	15.0	-.026	-.069	-.090	-.119		
58	27.5	-.119	-.184	-.220	-.269		
59	49.0	-.174	-.254	-.301	-.408		
60	50.0	-.154	-.218	-.256	-.339		
61	59.0	-.102	-.162	-.198	-.199		
62	67.5	.017	.009	.016	.047		
63	86.5	--	--	--	--		
64	94.6	--	--	--	--		
G65	2.0	.442	.424	.409	.378		
66	6.0	.186	.165	.148	.119		
67	15.0	.017	-.016	-.039	-.075		
68	27.5	-.078	-.123	-.154	-.194		
69	40.0	-.130	-.185	-.219	-.253		
70	50.0	-.118	-.164	-.193	-.200		
71	59.0	-.061	-.099	-.127	-.162		
72	67.5	.028	.041	.041	.000		
73	77.5	.229	.243	.243	.272		
74	87.2	--	--	--	--		
75	96.8	.129	.155	.126	.161		
H76	2.0	.392	.383	.368	.494		
77	6.0	.129	.110	.091	.066		
78	15.0	-.023	-.067	-.088	-.121		
79	27.5	-.118	-.174	-.206	-.260		
80	40.0	-.160	-.214	-.241	-.285		
81	50.0	-.142	-.176	-.191	-.214		
82	59.0	-.082	-.123	-.151	-.188		
83	67.5	-.066	-.109	-.146	-.087		
84	88.3	.142	.157	.169	.191		
85	94.2	.115	.124	.137	.163		

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89		
86	3.0	-0.421	-0.448	-0.424	-0.384		
87	10.0	--	--	--	--		
88	25.0	-.518	-.279	-.259	-.256		
89	41.0	--	--	--	--		
90	52.5	--	--	--	--		
91	62.5	--	--	--	--		
92	72.5	--	--	--	--		
93	84.0	--	--	--	--		
94	94.0	--	--	--	--		
95	3.0	-.475	-.538	-.520	-.478		
96	10.0	-.298	-.336	-.335	-.316		
97	25.0	-.285	-.357	-.368	-.356		
98	41.0	-.279	-.381	-.442	-.433		
99	52.5	-.239	-.340	-.430	-.481		
100	62.5	-.176	-.244	-.294	-.497		
101	72.5	-.092	-.132	-.157	-.248		
102	86.3	.006	.037	.024	-.055		
103	94.5	--	--	--	--		
104	3.0	-.501	-.598	-.602	-.570		
105	10.0	-.354	-.441	-.455	-.421		
106	25.0	-.305	-.402	-.436	-.437		
107	41.0	-.294	-.404	-.520	-.532		
108	52.5	-.248	-.334	-.403	-.601		
109	62.5	-.168	-.218	-.227	-.437		
110	72.5	-.063	-.081	-.083	-.095		
111	85.1	.056	.060	.059	.060		
112	94.6	.136	.149	.139	.150		
113	3.0	-.517	-.650	-.690	-.651		
114	10.0	-.347	-.445	-.478	-.462		
115	25.0	-.318	-.429	-.494	-.501		
116	41.0	--	--	--	--		
117	52.5	-.245	-.318	-.336	-.611		
118	62.5	-.156	-.189	-.185	-.301		
119	72.5	-.045	-.050	-.045	-.006		
120	87.4	.086	.094	.092	.106		
121	94.2	.129	.144	.148	.157		
122	3.0		-.639	-.682	-.660		
123	10.0		-.453	-.503	-.474		
124	25.0		-.420	-.501	-.552		
125	41.0		-.391	-.465	-.601		
126	52.5		-.306	-.336	-.545		
127	62.5		-.228	-.240	-.365		
128	72.5		-.098	-.103	-.053		
129	78.0		-.037	-.041	.002		
130	85.3		.053	.053	.078		
131	94.1		.133	.134	.149		
132	3.0		-.685	-.744	-.674		
133	10.0		-.481	-.535	-.530		
134	25.0		-.433	-.501	-.571		
135	41.0		-.420	-.474	-.626		
136	52.5		-.375	-.425	-.605		
137	62.5		-.287	-.315	-.331		
138	72.5		-.231	-.249	-.226		
139	83.4		-.057	-.058	-.044		
140	94.0		-.001	.001	.019		
141	3.0		-.769	-.804	-.709		
142	10.0		-.514	-.598	-.595		
143	25.0		-.477	-.575	-.597		
144	41.0		-.474	-.597	-.689		
145	52.5		-.397	-.530	-.638		
146	62.5		-.245	-.327	-.497		
147	72.5		-.214	-.203	-.287		
148	84.0		-.103	-.103	-.073		
149	92.0		-.006	.001	.033		
150	3.0		-.862	-.949	-.836		
151	10.0		-.400	-.675	-.666		
152	25.0		-.425	-.582	-.624		
153	41.0		-.372	-.369	-.632		
154	52.5		-.279	-.270	-.542		
155	62.5		-.171	-.164	-.176		
156	72.5		-.114	-.109	-.056		
157	84.9		.069	.076	.119		

NACA

TABLE 28

$$\left[\Lambda = 30°, \delta_{a_n} = -10.0°, \alpha = 0°\right]$$

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	0.073	0.127	0.153	0.185	0.116	0.250
2	6.0	-.065	-.032	-.010	.019	-.048	.094
3	15.0	-.143	-.129	-.112	-.085	-.152	-.002
4	27.5	-.189	-.191	-.182	-.157	-.224	--
5	40.0	--	--	--	--	--	--
6	50.0	--	--	--	--	--	--
7	59.0	--	--	--	--	--	--
8	67.5	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	.048	.099	.126	.161	.096	.231
13	6.0	-.104	-.080	-.058	-.026	-.091	.055
14	15.0	-.196	-.198	-.183	-.157	-.218	-.073
15	27.5	-.267	-.299	-.294	-.267	-.330	-.177
16	40.0	-.316	-.390	-.410	-.392	-.451	-.289
17	50.0	-.320	-.415	-.471	-.455	-.520	-.363
18	59.0	-.290	-.385	-.484	-.516	-.585	-.424
19	67.5	-.230	-.319	-.411	-.489	-.572	-.406
20	77.5	-.153	-.214	-.271	-.433	-.573	-.413
21	88.0	-.059	-.085	-.106	-.167	-.441	-.384
22	95.3	--	--	--	--	--	--
C23	2.0	.034	.081	.112	.148	.084	.219
24	6.0	-.124	-.113	-.091	-.058	-.121	.030
25	15.0	-.227	-.252	-.241	-.212	-.274	-.124
26	27.5	-.294	-.353	-.361	-.337	-.398	-.241
27	40.0	-.344	-.448	-.491	-.474	-.533	-.367
28	50.0	-.333	-.444	-.543	-.550	-.604	-.463
29	59.0	-.296	-.395	-.516	-.605	-.701	-.534
30	67.5	--	--	--	--	--	--
31	77.5	-.091	-.117	-.124	-.320	-.634	-.513
32	88.0	.011	.014	.110	.020	-.334	-.387
33	95.3	.093	.106	.111	.119	-.049	-.083
D34	2.0	-.030	-.005	.027	.098	.001	.154
35	15.0	-.236	-.279	-.280	-.251	-.314	-.162
36	27.5	-.294	-.385	-.411	-.381	-.444	-.284
37	40.0	-.344	-.465	-.563	-.540	-.596	-.426
38	50.0	-.330	-.436	-.551	-.601	-.697	-.532
39	59.0	-.269	-.361	-.464	-.532	-.660	-.606
40	67.5	-.241	-.356	-.422	-.524	-.644	-.605
41	77.5	-.047	-.047	-.040	-.222	-.464	-.563
42	87.5	.026	.036	.051	.014	-.289	-.433
43	94.2	.098	.118	.127	.106	-.069	-.188
E44	2.0	.080	-.021	.086	.118	.164	.190
45	6.0	-.104	-.138	-.142	-.117	-.075	-.046
46	15.0	-.203	-.269	-.296	-.282	-.244	-.211
47	27.5	-.259	-.355	-.414	-.409	-.374	-.338
48	40.0	-.296	-.422	-.532	-.556	-.511	-.471
49	50.0	-.270	-.369	-.472	-.583	-.619	-.594
50	59.0	-.221	-.310	-.391	-.526	-.552	-.671
51	67.5	-.170	-.159	-.107	-.251	-.408	-.694
52	77.5	.013	.012	.024	-.027	-.216	-.635
53	88.5	.195	.219	.221	.117	-.089	-.378
54	95.5	.150	.178	.187	.142	-.036	-.166
F55	2.0	.081	.057	.057	.082	.129	.155
56	6.0	-.078	-.123	-.135	-.120	-.079	-.049
57	15.0	-.184	-.260	-.302	-.299	-.262	-.229
58	27.5	-.231	-.329	-.404	-.423	-.388	-.352
59	49.0	-.256	-.362	-.457	-.564	-.532	-.493
60	50.0	-.214	-.294	-.375	-.510	-.573	-.611
61	59.0	-.157	-.245	-.208	-.493	-.571	-.688
62	67.5	-.005	-.001	.021	.024	-.386	-.686
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	.160	.118	.096	.089	.129	.161
66	6.0	-.032	-.084	-.113	-.135	-.103	-.070
67	15.0	-.128	-.196	-.237	-.289	-.266	-.230
68	27.5	-.177	-.250	-.298	-.406	-.397	-.365
69	40.0	-.201	-.276	-.320	-.386	-.476	-.499
70	50.0	-.170	-.227	-.260	-.325	-.438	-.620
71	59.0	-.095	-.143	-.160	-.230	-.424	-.665
72	67.5	.034	.043	.048	.085	-.247	-.623
73	77.5	.224	.245	.252	.250	.005	-.606
74	87.2	--	--	--	--	--	--
75	96.8	.149	.171	.171	.192	.133	-.074
H76	2.0	.143	.120	.104	.077	.090	.120
77	6.0	.059	-.106	-.132	.169	-.163	-.130
78	15.0	-.140	-.209	-.250	.295	-.307	-.275
79	27.5	-.193	-.263	-.310	.393	-.456	-.428
80	40.0	-.208	-.266	-.294	.328	-.394	-.559
81	50.0	-.171	-.209	-.231	.281	-.393	-.615
82	59.0	-.121	-.177	-.210	-.257	-.304	-.584
83	67.5	-.114	-.082	-.048	.089	-.128	-.518
84	88.3	.158	.184	.198	.213	-.131	-.429
85	94.2	.140	.163	.274	.189	.153	-.343

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	-0.106	-0.096	-0.086	-0.074	-0.050	0.005
87	10.0	--	--	--	--	--	--
88	25.0	-.146	-.160	-.163	-.153	-.131	-.077
89	41.0	--	--	--	--	--	--
90	52.5	--	--	--	--	--	--
91	62.5	--	--	--	--	--	--
92	72.5	--	--	--	--	--	--
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	-.131	-.140	-.139	-.132	-.111	-.055
96	10.0	-.134	-.143	-.142	-.132	-.118	-.061
97	25.0	-.191	-.229	-.243	-.241	-.219	-.161
98	41.0	-.210	-.273	-.311	-.333	-.323	-.259
99	52.5	-.186	-.253	--	-.357	-.370	-.308
100	62.5	-.136	-.186	-.220	-.292	-.407	-.364
101	72.5	-.060	-.093	-.113	-.137	-.286	-.317
102	86.3	.027	.011	-.004	-.027	-.130	-.231
103	94.5	--	--	--	--	--	--
104	3.0	-.130	-.157	-.165	-.164	-.148	-.091
105	10.0	-.167	-.203	-.219	-.218	-.195	-.130
106	25.0	-.206	-.307	-.291	-.301	-.281	-.232
107	41.0	-.223	-.294	-.350	-.412	-.413	-.347
108	52.5	-.196	-.260	-.306	-.413	-.484	-.425
109	62.5	-.134	-.171	-.194	-.222	-.490	-.466
110	72.5	-.036	-.050	-.056	-.054	-.191	-.397
111	85.1	.074	.084	.086	.093	.051	-.211
112	94.6	.160	.179	.188	.197	.184	.086
113	3.0	-.130	-.166	-.172	-.204	-.196	-.141
114	10.0	-.149	-.188	-.211	-.223	-.208	-.152
115	25.0	-.209	-.271	-.313	-.347	-.337	-.284
116	41.0	--	--	--	--	--	--
117	52.5	-.189	-.238	-.273	-.347	-.468	-.498
118	62.5	-.137	-.190	-.229	-.208	-.443	-.510
119	72.5	.008	.015	.011	.008	-.188	-.532
120	87.4	.108	.125	.127	.137	.102	-.136
121	94.2	.144	.163	.171	.172	.137	.096
122	3.0	-.151	-.148	-.159	-.173	-.180	-.161
123	10.0	-.193	-.242	-.282	-.265	-.255	-.214
124	25.0	-.223	-.272	-.306	-.340	-.367	-.344
125	41.0	-.239	-.293	-.329	-.376	-.487	-.455
126	52.5	-.200	-.245	-.275	-.312	-.488	-.526
127	62.5	-.167	-.205	-.236	-.265	-.460	-.580
128	72.5	-.115	-.102	-.068	-.043	-.335	-.524
129	78.0	.004	.005	.001	-.006	-.143	-.490
130	85.3	.073	.080	.078	.077	-.020	-.430
131	94.1	.135	.150	.149	.140	.043	.003
132	3.0	-.194	-.178	-.180	-.197	-.216	-.199
133	10.0	-.200	-.217	-.233	-.253	-.252	-.225
134	25.0	-.243	-.286	-.310	-.335	-.376	-.364
135	41.0	-.269	-.326	-.363	-.392	-.496	-.466
136	52.5	-.262	-.316	-.350	-.376	-.586	-.573
137	62.5	-.220	-.266	-.291	-.297	-.531	-.615
138	72.5	-.194	-.220	-.230	-.215	-.362	-.601
139	83.4	-.065	-.069	-.070	-.076	-.114	-.398
140	94.0	-.009	-.004	.001	.001	-.051	-.371
141	3.0	-.240	-.203	-.182	-.165	-.190	-.184
142	10.0	-.254	-.275	-.282	-.279	-.293	-.269
143	25.0	-.280	-.338	-.365	-.373	-.429	-.420
144	41.0	-.306	-.388	-.452	-.479	-.532	-.515
145	52.5	-.290	-.361	-.416	-.498	-.534	-.591
146	62.5	-.240	-.292	-.353	-.460	-.482	-.515
147	72.5	-.214	-.265	-.325	-.407	-.463	-.556
148	84.0	-.197	-.205	-.172	-.137	-.181	-.466
149	92.0	-.030	-.019	-.003	-.013	-.087	-.455
150	3.0	-.267	-.278	-.279	-.244	-.258	-.260
151	10.0	-.244	-.297	-.321	-.296	-.287	-.276
152	25.0	-.264	-.345	-.424	-.488	-.497	-.461
153	41.0	-.266	-.334	-.386	-.504	-.563	-.612
154	52.5	-.227	-.270	-.313	-.448	-.517	-.685
155	62.5	-.173	-.223	-.267	-.251	-.466	-.652
156	72.5	-.131	-.109	-.091	-.027	-.189	-.641
157	84.9	.077	.103	.112	.146	.093	-.373

NACA

TABLE 29

$$\left[\Lambda = 30^{\circ},\ \delta_{A_n} = -10.0^{\circ},\ \alpha = 2^{\circ}\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-0.270	-0.189	-0.135	-0.082	-0.030	0.025
2	6.0	-.290	-.255	-.218	-.175	-.130	-.073
3	15.0	-.283	-.275	-.250	-.213	-.171	-.112
4	27.5	-.290	-.304	-.289	-.253	-.212	-.159
5	40.0	--	--	--	--	--	--
6	50.0	--	--	--	--	--	--
7	59.0	--	--	--	--	--	--
8	67.5	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.327	-.249	-.186	-.124	-.066	-.008
13	6.0	-.346	-.324	-.282	-.235	-.184	-.121
14	15.0	-.350	-.361	-.339	-.291	-.248	-.186
15	27.5	-.376	-.429	-.412	-.372	-.327	-.266
16	40.0	-.400	-.508	-.520	-.463	-.420	-.356
17	50.0	-.386	-.522	-.575	-.541	-.498	-.430
18	59.0	-.347	-.483	-.619	-.600	-.550	-.481
19	67.5	-.269	-.385	-.562	-.580	-.542	-.468
20	77.5	-.177	-.244	-.346	-.560	-.534	-.471
21	88.0	-.071	-.095	-.170	-.245	-.428	-.429
22	95.3	--	--	--	--	--	--
C23	2.0	-.374	-.300	-.225	-.151	-.086	-.024
24	6.0	-.381	-.376	-.330	-.273	-.217	-.151
25	15.0	-.393	-.437	-.412	-.362	-.311	-.250
26	27.5	-.410	-.506	-.497	-.453	-.407	-.345
27	40.0	-.433	-.583	-.619	-.566	-.508	-.444
28	50.0	-.400	-.544	-.676	-.630	-.589	-.514
29	59.0	-.356	-.502	-.663	-.667	-.677	-.609
30	67.5	--	--	--	--	--	--
31	77.5	-.120	-.140	-.187	-.583	-.628	-.594
32	88.0	-.002	.006	.005	-.070	-.345	-.417
33	95.3	.086	.103	.104	.284	-.045	-.111
D34	2.0	-.464	-.412	-.325	-.234	-.160	-.075
35	15.0	-.411	-.494	-.469	-.412	-.356	-.293
36	27.5	-.417	-.555	-.568	-.514	-.627	-.395
37	40.0	-.437	-.604	-.691	-.636	-.579	-.507
38	50.0	-.401	-.548	-.644	-.611	-.644	-.603
39	59.0	-.333	-.476	-.608	-.573	-.583	-.640
40	67.5	-.308	-.310	-.537	-.531	-.591	-.633
41	77.5	-.103	-.090	-.150	-.357	-.480	-.619
42	87.5	.011	.029	.027	-.189	-.334	-.515
43	94.2	.091	.021	.106	-.160	-.252	-.276
E44	2.0	-.382	-.409	-.335	-.237	-.129	-.054
45	6.0	-.386	-.476	-.443	-.373	-.293	-.226
46	15.0	-.379	-.511	-.505	-.453	-.388	-.329
47	27.5	-.379	-.540	-.595	-.559	-.508	-.451
48	40.0	-.384	-.551	-.689	-.623	-.613	-.554
49	50.0	-.341	-.483	-.634	-.598	-.710	-.658
50	59.0	-.279	-.407	-.524	-.469	-.679	-.730
51	67.5	-.145	-.232	-.195	-.343	-.638	-.728
52	77.5	-.029	-.011	-.004	-.206	-.437	-.666
53	88.5	.172	.200	.146	-.076	-.026	-.441
54	95.5	.145	.173	.154	-.025	-.024	-.207
F55	2.0	-.376	-.445	-.385	-.282	-.164	-.083
56	6.0	-.363	-.476	-.460	-.387	-.300	-.229
57	15.0	-.361	-.515	-.530	-.478	-.409	-.349
58	27.5	-.352	-.516	-.617	-.586	-.530	-.470
59	49.0	-.342	-.483	-.631	-.611	-.626	-.580
60	50.0	-.283	-.416	-.592	-.582	-.608	-.676
61	59.0	-.207	-.218	-.326	-.543	-.616	-.722
62	67.5	-.030	-.022	.026	-.185	-.500	-.711
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	-.287	-.397	-.384	-.283	-.165	-.077
66	6.0	-.316	-.455	-.504	-.434	-.345	-.266
67	15.0	-.305	-.441	-.526	-.481	-.421	-.356
68	27.5	-.295	-.418	-.566	-.578	-.547	-.483
69	40.0	-.285	-.385	-.472	-.507	-.584	-.597
70	50.0	-.236	-.320	-.397	-.504	-.566	-.683
71	59.0	-.135	-.151	-.102	-.238	-.532	-.694
72	67.5	.005	.018	.033	-.059	-.408	-.661
73	77.5	.205	.228	.228	.142	-.187	-.621
74	87.2	--	--	--	--	--	--
75	96.8	.158	.183	.191	.200	.115	-.173
H76	2.0	-.237	-.339	-.369	-.305	-.210	-.111
77	6.0	-.302	-.439	-.519	-.484	-.408	-.317
78	15.0	-.276	-.396	-.491	-.537	-.484	-.410
79	27.5	-.279	-.374	-.433	-.533	-.496	-.525
80	40.0	-.267	-.338	-.376	-.493	-.449	-.553
81	50.0	-.204	-.284	-.329	-.411	-.339	-.560
82	59.0	-.178	-.258	-.149	-.034	-.246	-.543
83	67.5	.040	.064	.058	.069	-.179	-.522
84	88.3	.153	.185	.200	.204	-.022	-.392
85	94.2	.143	.168	.182	.194	.012	-.327

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.157	0.167	0.166	0.171	0.185	0.218
87	10.0	--	--	--	--	--	--
88	25.0	-.053	-.053	-.054	-.049	-.034	.007
89	41.0	--	--	--	--	--	--
90	52.5	--	--	--	--	--	--
91	62.5	--	--	--	--	--	--
92	72.5	--	--	--	--	--	--
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.148	.145	.134	.133	.141	.172
96	10.0	.007	.108	-.002	.002	.014	.054
97	25.0	-.091	-.110	-.122	-.124	-.098	-.073
98	41.0	-.139	-.176	-.201	-.224	-.228	-.186
99	52.5	-.130	-.175	-.209	-.259	-.278	-.237
100	62.5	-.093	-.128	-.157	-.193	-.312	-.294
101	72.5	-.026	-.048	-.066	-.094	-.203	-.247
102	86.3	.050	.038	.023	-.003	-.078	-.161
103	94.5	--	--	--	--	--	--
104	3.0	.163	-.034	.005	.114	.117	.144
105	10.0	.011	-.005	-.021	-.028	-.023	.014
106	25.0	-.099	-.131	-.152	-.170	-.171	-.131
107	41.0	-.149	-.194	-.230	-.276	-.310	-.267
108	52.5	-.140	-.182	-.213	-.261	-.382	-.348
109	62.5	-.091	-.122	-.146	-.185	-.360	-.395
110	72.5	-.009	-.018	-.028	-.048	-.135	-.309
111	85.1	.091	.105	.105	.096	.063	-.043
112	94.6	.171	.194	.199	.196	.157	.091
113	3.0	.174	.156	.126	.097	.084	.105
114	10.0	.030	.011	-.011	-.031	-.039	-.006
115	25.0	-.097	-.132	-.159	-.194	-.219	-.179
116	41.0	--	--	--	--	--	--
117	52.5	-.130	-.163	-.189	-.233	-.369	-.419
118	62.5	-.096	-.110	-.134	-.181	-.328	-.425
119	72.5	-.026	-.022	.014	-.020	-.089	-.381
120	87.4	.127	.147	.146	.132	.106	.032
121	94.2	.154	.179	.176	.136	.078	.068
122	3.0	.170	.185	.161	.133	.089	.084
123	10.0	-.005	-.023	-.049	-.058	-.095	-.097
124	25.0	-.107	-.127	-.149	-.180	-.234	-.221
125	41.0	-.157	-.189	-.214	-.258	-.383	-.375
126	52.5	-.138	-.165	-.185	-.228	-.358	-.443
127	62.5	-.117	-.135	-.152	-.197	-.316	-.451
128	72.5	-.071	-.099	-.122	-.164	-.210	-.414
129	78.0	-.036	-.001	.016	-.050	-.036	-.372
130	85.3	.102	.115	.112	.073	.030	-.137
131	94.1	.143	.163	.157	.090	.053	.027
132	3.0	.145	.173	.154	.121	.067	.055
133	10.0	-.005	.002	-.013	-.038	-.087	-.088
134	25.0	-.124	-.138	-.156	-.184	-.242	-.232
135	41.0	-.184	-.214	-.239	-.279	-.379	-.384
136	52.5	-.197	-.232	-.256	-.304	-.422	-.495
137	62.5	-.177	-.201	-.220	-.263	-.365	-.547
138	72.5	-.160	-.178	-.190	-.221	-.228	-.501
139	83.4	-.068	-.064	-.066	-.119	-.288	-.376
140	94.0	-.002	.008	.009	-.033	-.150	-.294
141	3.0	.116	.170	.166	.140	.087	.061
142	10.0	-.051	-.036	-.045	-.068	-.112	-.123
143	25.0	-.155	-.177	-.196	-.222	-.265	-.280
144	41.0	-.221	-.271	-.308	-.367	-.416	-.422
145	52.5	-.226	-.277	-.314	-.387	-.519	-.531
146	62.5	-.203	-.245	-.285	-.363	-.470	-.517
147	72.5	-.178	-.205	-.227	-.281	-.426	-.486
148	84.0	-.178	-.195	-.202	-.222	-.266	-.376
149	92.0	-.022	-.011	-.006	-.029	-.181	-.363
150	3.0	.064	.103	.105	.084	.043	.012
151	10.0	-.074	-.082	-.093	-.115	-.131	-.133
152	25.0	-.170	-.219	-.261	-.319	-.362	-.367
153	41.0	-.204	-.263	-.307	-.412	-.517	-.515
154	52.5	-.184	-.226	-.252	-.328	-.580	-.620
155	62.5	-.135	-.165	-.194	-.280	-.523	-.603
156	72.5	-.112	-.115	-.107	-.065	-.449	-.585
157	84.9	.080	.110	.121	.138	.020	-.311

NACA

TABLE 30

$$\left[\Lambda = 30^{\circ},\ \delta_{a_n} = -10.0^{\circ},\ \alpha = 4^{\circ}\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-0.690	-0.611	-0.544	-0.485	-0.364	-0.254
2	6.0	-.543	-.527	-.489	-.420	-.360	-.267
3	15.0	-.423	-.438	-.411	-.359	-.311	-.231
4	27.5	-.385	-.427	-.402	-.357	-.308	-.240
5	40.0	--	--	--	--	--	--
6	50.0	--	--	--	--	--	--
7	59.0	--	--	--	--	--	--
8	67.5	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.800	-.740	-.644	-.522	-.426	-.303
13	6.0	-.622	-.635	-.597	-.524	-.457	-.345
14	15.0	-.509	-.546	-.523	-.476	-.407	-.316
15	27.5	-.479	-.569	-.544	-.493	-.442	-.361
16	40.0	-.476	-.646	-.616	-.565	-.518	-.438
17	50.0	-.443	-.666	-.694	-.642	-.586	-.498
18	59.0	-.380	-.617	-.733	-.680	-.624	-.540
19	67.5	-.296	-.430	-.696	-.663	-.616	-.529
20	77.5	-.197	-.264	-.466	-.648	-.607	-.528
21	88.0	-.089	-.120	-.217	-.336	-.523	-.486
22	95.3	--	--	--	--	--	--
C23	2.0	-.890	-.811	-.676	-.539	-.435	-.311
24	6.0	-.679	-.735	-.695	-.608	-.529	-.397
25	15.0	-.560	-.643	-.596	-.527	-.466	-.375
26	27.5	-.517	-.676	-.653	-.596	-.538	-.452
27	40.0	-.510	-.757	-.735	-.676	-.615	-.523
28	50.0	-.466	-.724	-.763	-.765	-.700	-.587
29	59.0	-.389	-.676	-.767	-.717	-.751	-.675
30	67.5	--	--	--	--	--	--
31	77.5	-.153	-.159	-.360	-.680	-.696	-.664
32	88.0	-.023	-.004	-.057	-.293	-.539	-.448
33	95.3	.064	.047	.058	-.024	-.271	-.177
D34	2.0	-1.012	-.927	-.754	-.595	-.478	-.333
35	15.0	-.582	-.739	-.687	-.601	-.534	-.433
36	27.5	-.524	-.763	-.750	-.681	-.617	-.522
37	40.0	-.518	-.833	-.800	-.726	-.697	-.603
38	50.0	-.456	-.767	-.748	-.688	-.713	-.680
39	59.0	-.363	-.579	-.671	-.566	-.697	-.691
40	67.5	-.257	-.216	-.521	-.514	-.671	-.676
41	77.5	-.134	-.109	-.313	-.423	-.574	-.676
42	87.5	-.003	.025	-.139	-.302	-.470	-.571
43	94.2	.066	.159	-.042	-.246	-.402	-.402
E44	2.0	-1.007	-1.024	-.787	-.605	-.465	-.345
45	6.0	-.728	-1.035	-.875	-.733	-.616	-.507
46	15.0	-.555	-.822	-.782	-.694	-.597	-.506
47	27.5	-.495	-.766	-.775	-.714	-.642	-.575
48	40.0	-.468	-.742	-.763	-.799	-.735	-.670
49	50.0	-.393	-.447	-.740	-.762	-.750	-.757
50	59.0	-.302	-.315	-.547	-.741	-.732	-.813
51	67.5	-.186	-.178	-.330	-.535	-.679	-.807
52	77.5	-.057	-.026	-.129	-.278	-.549	-.754
53	88.5	.093	.145	.142	.003	-.154	-.606
54	95.5	.113	.148	.105	-.052	-.145	-.315
F55	2.0	-.987	-1.049	-.816	-.644	-.505	-.378
56	6.0	-.726	-1.068	-.895	-.747	-.621	-.503
57	15.0	-.535	-.857	-.840	-.728	-.623	-.522
58	27.5	-.472	-.759	-.798	-.739	-.666	-.590
59	49.0	-.426	-.567	-.750	-.702	-.722	-.689
60	50.0	-.340	-.369	-.732	-.708	-.708	-.774
61	59.0	-.216	-.222	-.437	-.596	-.707	-.818
62	67.5	-.069	-.042	-.097	-.375	-.547	-.772
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	-.895	-1.028	-.808	-.638	-.480	-.350
66	6.0	-.668	-1.072	-.913	-.762	-.614	-.494
67	15.0	-.495	-.869	-.888	-.771	-.640	-.537
68	27.5	-.410	-.449	-.788	-.720	-.626	-.608
69	40.0	-.365	-.436	-.763	-.702	-.594	-.673
70	50.0	-.282	-.322	-.370	-.600	-.521	-.722
71	59.0	-.160	-.164	-.146	-.438	-.422	-.716
72	67.5	-.023	-.006	-.024	-.318	-.360	-.698
73	77.5	.147	.167	.117	.015	-.258	-.666
74	87.2	--	--	--	--	--	--
75	96.8	.160	.125	.176	.112	.003	-.220
H76	2.0	-.748	-.989	-.819	-.650	-.495	-.367
77	6.0	-.592	-.876	-.908	-.771	-.631	-.518
78	15.0	-.429	-.757	-.825	-.800	-.705	-.594
79	27.5	-.373	-.371	-.759	-.688	-.624	-.632
80	40.0	-.333	-.382	-.331	-.496	-.514	-.659
81	50.0	-.266	-.286	-.157	-.225	-.333	-.670
82	59.0	-.149	-.142	-.069	-.168	-.267	-.617
83	67.5	-.014	-.003	.023	-.107	-.209	-.552
84	88.3	.151	.181	.171	.018	-.121	-.521
85	94.2	.146	.172	.174	.049	-.085	-.475

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.367	0.378	0.380	0.377	0.382	0.391
87	10.0	--	--	--	--	--	--
88	25.0	.040	.050	.055	--	.132	.089
89	41.0	--	--	--	--	--	--
90	52.5	--	--	--	--	--	--
91	62.5	--	--	--	--	--	--
92	72.5	--	--	--	--	--	--
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.364	.360	.224	.345	.346	.350
96	10.0	.150	.153	.020	.146	.154	.177
97	25.0	.004	.020	-.004	-.013	-.008	.015
98	41.0	-.069	-.087	-.102	-.126	-.131	-.107
99	52.5	-.074	-.102	-.126	-.167	-.199	-.166
100	62.5	-.053	-.075	-.098	-.132	-.183	-.221
101	72.5	.004	-.010	-.029	-.062	-.107	-.160
102	86.3	.073	.068	.050	.013	-.020	-.063
103	94.5	--	--	--	--	--	--
104	3.0	.383	.366	.353	.335	.327	.326
105	10.0	.161	.154	.144	.130	.129	.142
106	25.0	.001	-.014	-.028	-.049	-.053	-.036
107	41.0	-.077	-.106	-.131	-.163	-.200	-.183
108	52.5	-.086	-.112	-.140	-.191	-.250	-.275
109	62.5	-.050	-.068	-.092	-.140	-.201	-.302
110	72.5	.018	.015	-.001	-.040	-.083	-.162
111	85.1	.101	.117	.110	.092	.051	.037
112	94.6	.167	.195	.192	.170	.132	.115
113	3.0	.401	.378	.355	.323	.305	.294
114	10.0	.181	.172	.156	.130	.120	.123
115	25.0	.067	-.012	-.032	-.068	-.088	-.082
116	41.0	--	--	--	--	--	--
117	52.5	-.077	-.099	-.132	-.190	-.257	-.335
118	62.5	-.040	-.051	-.084	-.139	-.194	-.301
119	72.5	.023	.040	.016	-.035	-.068	-.108
120	87.4	.131	.150	.130	.098	.057	.085
121	94.2	.147	.181	.133	.055	.015	.047
122	3.0	.407	.403	.372	.331	.304	.273
123	10.0	.163	.175	.140	.110	.079	.065
124	25.0	.001	-.006	-.119	-.070	-.097	-.120
125	41.0	-.080	-.094	-.122	-.178	-.227	-.285
126	52.5	-.083	-.093	-.119	-.179	-.216	-.330
127	62.5	-.077	-.082	-.109	-.179	-.231	-.287
128	72.5	-.026	-.032	-.058	-.122	-.168	-.243
129	78.0	-.003	-.002	-.025	-.090	-.136	-.025
130	85.3	.083	.135	.116	.048	.007	.014
131	94.1	.143	.170	.148	.070	.018	-.005
132	3.0	.396	.399	.367	.322	.291	.250
133	10.0	.161	.170	.145	.109	.085	.054
134	25.0	-.014	-.014	-.037	-.077	-.101	-.132
135	41.0	-.105	-.117	-.145	-.198	-.231	-.289
136	52.5	-.136	-.152	-.181	-.247	-.301	-.383
137	62.5	-.130	-.137	-.164	-.224	-.275	-.338
138	72.5	-.127	-.130	-.150	-.196	-.214	-.222
139	83.4	-.083	-.063	-.091	-.211	-.325	-.401
140	94.0	-.004	.021	-.010	-.100	-.219	-.354
141	3.0	.382	.406	.376	.328	.301	.253
142	10.0	.126	.143	.117	.077	.055	.020
143	25.0	-.040	-.044	-.072	-.116	-.133	-.157
144	41.0	-.140	-.166	-.205	-.277	-.310	-.328
145	52.5	-.165	-.195	-.235	-.335	-.406	-.440
146	62.5	-.149	-.156	-.196	-.273	-.375	-.443
147	72.5	-.145	-.161	-.190	-.276	-.344	-.407
148	84.0	-.160	-.160	-.189	-.303	-.647	--
149	92.0	-.020	.006	-.012	-.112	-.295	-.559
150	3.0	.320	.348	.318	.267	.245	.207
151	10.0	.078	.084	.055	.012	.001	-.011
152	25.0	-.080	-.106	-.155	-.224	-.241	-.251
153	41.0	-.146	-.189	-.245	-.379	-.429	-.427
154	52.5	-.143	-.177	-.220	-.351	-.539	-.548
155	62.5	-.105	-.122	-.156	-.294	-.491	-.587
156	72.5	-.093	-.094	-.116	-.155	-.445	-.556
157	84.9	.087	.129	.115	.045	-.079	-.507

TABLE 31

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = -10.0^\circ,\ \alpha = 7^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-1.890	-1.354	-1.120	-0.957	-0.812	-0.677
2	6.0	-.882	-1.225	-.997	-.858	-.745	-.628
3	15.0	-.646	-.683	-.628	-.569	-.501	-.411
4	27.5	-.534	-.615	-.563	-.512	-.452	-.374
5	40.0	--	--	--	--	--	--
6	50.0	--	--	--	--	--	--
7	59.0	--	--	--	--	--	--
8	67.5	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.951	-1.418	-1.164	-.993	-.838	-.688
13	6.0	-1.052	-1.287	-1.121	-.991	-.861	-.729
14	15.0	-.737	-.898	-1.045	-.879	-.736	-.691
15	27.5	-.629	-.746	-.699	-.653	-.584	-.504
16	40.0	-.581	-.798	-.758	-.697	-.625	-.550
17	50.0	-.517	-.856	-.810	-.744	-.672	-.581
18	59.0	-.434	-.835	-.845	-.783	-.714	-.624
19	67.5	-.339	-.486	-.830	-.773	-.707	-.624
20	77.5	-.232	-.300	-.582	-.763	-.699	-.614
21	88.0	-.111	-.159	-.345	-.515	-.639	-.573
22	95.3	--	--	--	--	--	--
C23	2.0	-2.065	-1.433	-1.166	-.986	-.819	-.653
24	6.0	1.240	-1.396	-1.310	-1.018	-.879	-.740
25	15.0	-.801	-1.231	-1.074	-.963	-.847	-.725
26	27.5	-.670	-.805	-1.007	-.885	-.776	-.661
27	40.0	-.602	-.917	-.831	-.744	-.711	-.641
28	50.0	-.531	-.968	-.906	-.838	-.763	-.670
29	59.0	-.418	-.568	-1.004	-.924	-.840	-.746
30	67.5	--	--	--	--	--	--
31	77.5	-.167	-.187	-.365	-.540	-.842	-.750
32	88.0	-.050	-.071	-.271	-.353	-.442	-.418
33	95.3	.003	-.011	-.131	-.218	-.308	-.247
D34	2.0	-1.916	-1.472	-1.195	-1.006	-.834	-.663
35	15.0	-.878	-1.339	-1.142	-1.008	-.879	-.749
36	27.5	-.663	-1.248	-1.118	-1.010	-.905	-.781
37	40.0	-.596	-1.128	-1.064	-.954	-.914	-.815
38	50.0	-.498	-.869	-1.030	-.945	-.889	-.802
39	59.0	-.396	-.362	-.511	-.797	-.819	-.788
40	67.5	-.266	-.197	-.303	-.597	-.856	-.807
41	77.5	-.137	-.099	-.246	-.370	-.774	-.790
42	87.5	-.027	-.030	-.226	-.309	-.501	-.683
43	94.2	.020	.000	-.216	-.300	-.385	-.432
E44	2.0	-1.739	-1.509	-1.238	-1.032	-.874	-.701
45	6.0	-1.411	-1.444	-1.212	-1.047	-.907	-.761
46	15.0	-.909	-1.331	-1.140	-1.004	-.896	-.776
47	27.5	-.628	-1.241	-1.058	-.932	-.905	-.820
48	40.0	-.530	-.808	-.793	-.811	-.870	-.874
49	50.0	-.424	-.554	-.603	-.602	-.823	-.912
50	59.0	-.312	-.384	-.530	-.528	-.729	-.877
51	67.5	-.194	-.236	-.458	-.482	-.648	-.856
52	77.5	-.081	-.094	-.366	-.432	-.585	-.841
53	88.5	.041	.071	-.232	-.368	-.515	-.759
54	95.5	.059	.093	-.172	-.342	-.475	-.655
F55	2.0	-1.762	-1.513	-1.245	-1.030	-.864	-.682
56	6.0	-1.553	-1.429	-1.197	-1.047	-.907	-.761
57	15.0	-.872	-1.302	-1.082	-.990	-.905	-.777
58	27.5	-.592	-1.048	-.925	-.927	-.926	-.826
59	49.0	-.486	-.659	-.619	-.784	-.901	-.881
60	50.0	-.363	-.484	-.509	-.620	-.878	-.923
61	59.0	-.237	-.337	-.433	-.468	-.831	-.955
62	67.5	-.102	-.218	-.376	-.400	-.603	-.917
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	-1.640	-1.360	-1.244	-1.029	-.840	-.654
66	6.0	-1.327	-1.281	-1.214	-1.050	-.887	-.754
67	15.0	-.787	-1.095	-1.082	-.972	-.843	-.774
68	27.5	-.519	-.737	-.978	-.898	-.782	-.824
69	40.0	-.394	-.532	-.647	-.790	-.689	-.880
70	50.0	-.277	-.396	-.486	-.656	-.568	-.927
71	59.0	-.150	-.291	-.307	-.509	-.510	-.955
72	67.5	-.046	-.211	-.234	-.348	-.489	-.916
73	77.5	.040	-.118	-.201	-.252	-.462	-.907
74	87.2	--	--	--	--	--	--
75	96.8	.137	.039	-.045	-.059	-.232	-.548
H76	2.0	-1.641	-.929	-.886	-.820	-.806	-.665
77	6.0	-1.005	-.887	-.850	-.810	-.791	-.751
78	15.0	-.589	-.697	-.691	-.662	-.754	-.802
79	27.5	-.457	-.520	-.544	-.501	-.617	-.837
80	40.0	-.358	-.395	-.449	-.428	-.492	-.912
81	50.0	-.252	-.318	-.378	-.385	-.442	-.954
82	59.0	-.138	-.258	-.316	-.345	-.412	-.952
83	67.5	-.036	-.196	-.254	-.297	-.300	-.889
84	88.3	.084	-.100	-.161	-.253	-.376	-.837
85	94.2	.099	-.064	-.118	-.222	-.359	-.775

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.585	0.581	0.574	0.571	0.574	0.584
87	10.0	--	--	--	--	--	--
88	25.0	.167	.178	.173	.175	.183	.205
89	41.0	--	--	--	--	--	--
90	52.5	--	--	--	--	--	--
91	62.5	--	--	--	--	--	--
92	72.5	--	--	--	--	--	--
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.576	.554	.540	.533	.531	.537
96	10.0	.326	.321	.308	.306	.309	.323
97	25.0	.132	.127	.116	.111	.115	.135
98	41.0	.028	.015	-.003	-.016	-.019	.000
99	52.5	.006	-.015	-.042	-.066	-.080	-.070
100	62.5	.007	-.013	-.041	-.065	-.083	-.078
101	72.5	.051	.039	.009	-.017	-.035	-.030
102	86.3	.108	.105	.077	.043	.029	.042
103	94.5	--	--	--	--	--	--
104	3.0	.591	.553	.532	.519	.511	.512
105	10.0	.337	.316	.298	.287	.284	.310
106	25.0	.132	.115	.094	.082	.078	.091
107	41.0	.021	-.005	-.035	-.059	-.071	-.062
108	52.5	-.010	-.036	-.072	-.104	-.128	-.129
109	62.5	.007	-.015	-.053	-.087	-.112	-.111
110	72.5	.054	.045	.010	-.024	-.044	-.031
111	85.1	.117	.120	.086	.052	.038	.067
112	94.6	.159	.165	.122	.076	.062	.094
113	3.0	.599	.555	.526	.508	.492	.484
114	10.0	.353	.326	.301	.285	.275	.276
115	25.0	.137	.112	.083	.063	.051	.055
116	41.0	--	--	--	--	--	--
117	52.5	-.007	-.036	-.085	-.122	-.155	-.160
118	62.5	.007	-.013	-.064	-.102	-.132	-.127
119	72.5	.053	.054	.004	-.029	-.050	-.028
120	87.4	.135	.141	.082	.053	.028	.087
121	94.2	.132	.131	.089	.008	-.002	.035
122	3.0	.604	.570	.538	.510	.491	.446
123	10.0	.315	.308	.285	.247	.225	.199
124	25.0	.130	.116	.083	.055	.039	.007
125	41.0	.017	-.003	-.046	-.081	-.105	-.145
126	52.5	-.010	-.027	-.076	-.116	-.138	-.152
127	62.5	-.028	-.045	-.103	-.153	-.183	-.211
128	72.5	.013	.006	-.051	-.098	-.118	-.141
129	78.0	.036	.045	-.019	-.074	-.089	-.103
130	85.3	.094	.108	.039	-.011	-.007	.010
131	94.1	.126	.146	.048	-.033	-.023	.003
132	3.0	.603	.564	.528	.499	.477	.427
133	10.0	.340	.319	.285	.260	.243	.203
134	25.0	.117	.104	.069	.043	.029	-.002
135	41.0	-.006	-.027	-.072	-.106	-.125	-.149
136	52.5	-.061	-.085	-.139	-.178	-.203	-.242
137	62.5	-.076	-.099	-.157	-.190	-.204	-.244
138	72.5	-.092	-.114	-.178	-.186	-.169	-.167
139	83.4	-.086	-.132	-.276	-.398	-.428	-.437
140	94.0	-.020	-.065	-.212	-.308	-.373	-.399
141	3.0	.587	.556	.518	.489	.468	.417
142	10.0	.307	.284	.245	.218	.203	.161
143	25.0	.092	.060	-.006	-.006	-.015	-.044
144	41.0	-.046	-.093	-.153	-.191	-.200	-.229
145	52.5	-.094	-.152	-.228	-.277	-.292	-.324
146	62.5	-.108	-.155	-.227	-.279	-.318	-.335
147	72.5	-.118	-.192	-.280	-.303	-.291	-.282
148	84.0	-.132	-.233	-.412	--	-.707	-.657
149	92.0	-.042	-.124	-.223	-.338	-.557	-.582
150	3.0	.529	.481	.447	.414	.400	.357
151	10.0	.238	.197	.161	.131	.123	.098
152	25.0	.021	-.039	-.091	-.137	-.145	-.160
153	41.0	-.078	-.164	-.239	-.324	-.338	-.356
154	52.5	-.099	-.190	-.265	-.419	-.448	-.468
155	62.5	-.079	-.165	-.223	-.366	-.456	-.499
156	72.5	-.092	-.190	-.238	-.321	-.405	-.443
157	84.9	.050	-.057	-.097	-.200	-.375	--

NACA

TABLE 32

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = -5.1^\circ,\ \alpha = -2^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89
A 1	2.0	0.327	0.362	0.376	0.405
2	6.0	.110	.146	.162	.180
3	15.0	−.026	.001	.013	.036
4	27.5	−.103	−.092	−.083	−.066
5	40.0	− −	− −	− −	− −
6	50.0	− −	− −	− −	− −
7	59.0	− −	− −	− −	− −
8	67.5	− −	− −	− −	− −
9	77.5	− −	− −	− −	− −
10	87.5	− −	− −	− −	− −
11	96.0	− −	− −	− −	− −
B12	2.0	.168	.344	.356	.367
13	6.0	.086	.114	.125	−.140
14	15.0	−.072	−.057	−.051	−.035
15	27.5	−.174	−.186	−.184	−.167
16	40.0	−.247	−.289	−.308	−.300
17	50.0	−.261	−.320	−.364	−.373
18	59.0	−.243	−.311	−.362	−.407
19	67.5	−.191	−.252	−.304	−.365
20	77.5	−.130	−.178	−.209	−.264
21	88.0	−.042	−.055	−.083	−.122
22	95.3	− −	− −	− −	− −
C23	2.0	.171	.345	.352	.362
24	6.0	.078	.098	.103	.117
25	15.0	−.091	−.092	−.090	−.077
26	27.5	−.199	−.228	−.237	−.227
27	40.0	−.271	−.337	−.381	−.377
28	50.0	−.267	−.319	−.420	−.473
29	59.0	−.254	−.327	−.389	−.496
30	67.5	− −	− −	− −	− −
31	77.5	−.090	−.105	−.113	−.156
32	88.0	.024	.033	.025	.032
33	95.3	.108	.153	.115	.109
D34	2.0	.274	.303	.308	.315
35	15.0	−.093	−.107	−.112	−.106
36	27.5	−.197	−.240	−.264	−.260
37	40.0	−.270	−.351	−.411	−.429
38	50.0	−.274	−.361	−.431	−.531
39	59.0	−.213	−.235	−.351	−.480
40	67.5	−.184	−.256	−.303	−.416
41	77.5	−.067	−.064	−.073	−.036
42	87.5	.028	.038	.040	.066
43	94.2	.093	.110	.115	.140
E44	2.0	.376	.383	.381	.380
45	6.0	.110	.100	.097	.100
46	15.0	−.062	−.091	−.104	−.108
47	27.5	−.164	−.221	−.248	−.265
48	40.0	−.232	−.314	−.369	−.427
49	50.0	−.230	−.312	−.364	−.478
50	59.0	−.193	−.260	−.303	−.412
51	67.5	−.151	−.210	−.208	−.150
52	77.5	.007	.008	−.001	.020
53	88.5	.189	.201	.203	.215
54	95.5	.142	.166	.177	.194
F55	2.0	.368	.367	.364	.359
56	6.0	.123	.116	.111	.106
57	15.0	−.052	−.083	−.099	−.110
58	27.5	−.150	−.207	−.238	−.264
59	49.0	−.212	−.291	−.343	−.422
60	50.0	−.203	−.275	−.315	−.391
61	59.0	−.157	−.216	−.253	−.342
62	67.5	−.069	−.092	−.090	−.046
63	86.5	− −	− −	− −	− −
64	94.6	− −	− −	− −	− −
G65	2.0	.401	.399	.392	.384
66	6.0	.143	.136	.128	.121
67	15.0	−.031	−.052	−.067	−.080
68	27.5	−.124	−.169	−.196	−.220
69	40.0	−.183	−.248	−.284	−.317
70	50.0	−.180	−.239	−.271	−.287
71	59.0	−.130	−.177	−.206	−.227
72	67.5	−.056	−.075	−.076	−.114
73	77.5	.106	.116	.120	.151
74	87.2	− −	− −	− −	− −
75	96.8	.119	.154	.151	.197
H76	2.0	.350	.349	.346	.344
77	6.0	.092	.077	.070	.066
78	15.0	−.055	−.093	−.112	−.130
79	27.5	−.150	−.207	−.240	−.287
80	40.0	−.197	−.260	−.294	−.338
81	50.0	−.189	−.235	−.253	−.271
82	59.0	−.130	−.175	−.202	−.236
83	67.5	−.102	−.151	−.175	−.173
84	88.3	.119	.138	.152	.178
85	94.2	.115	.134	.150	.177

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89
86	3.0	−0.408	−0.433	−0.424	−0.383
87	10.0	− −	− −	− −	− −
88	25.0	−.231	−.268	−.276	−.202
89	41.0	− −	− −	− −	− −
90	52.5	− −	− −	− −	− −
91	62.5	− −	− −	− −	− −
92	72.5	− −	− −	− −	− −
93	84.0	− −	− −	− −	− −
94	94.0	− −	− −	− −	− −
95	3.0	−.466	−.520	−.520	−.472
96	10.0	−.298	−.330	−.346	−.312
97	25.0	−.284	−.351	−.373	−.356
98	41.0	−.280	−.373	−.446	−.433
99	52.5	−.241	−.336	−.438	−.481
100	62.5	−.176	−.240	−.303	−.509
101	72.5	−.093	−.133	−.160	−.274
102	86.3	.001	−.013	−.027	−.059
103	94.5	− −	− −	− −	− −
104	3.0	−.487	−.581	−.603	−.572
105	10.0	−.350	−.428	−.456	−.420
106	25.0	−.307	−.397	−.438	−.437
107	41.0	−.294	−.397	−.528	−.537
108	52.5	−.251	−.329	−.417	−.603
109	62.5	−.170	−.214	−.228	−.472
110	72.5	−.066	−.081	−.085	−.100
111	85.1	.048	.060	.054	.048
112	94.6	.134	.145	.146	.145
113	3.0	−.497	−.627	−.692	−.654
114	10.0	−.340	−.431	−.481	−.467
115	25.0	−.316	−.420	−.500	−.499
116	41.0	− −	− −	− −	− −
117	52.5	−.246	−.309	−.335	−.623
118	62.5	−.156	−.183	−.180	−.312
119	72.5	−.043	−.047	−.042	−.004
120	87.4	.086	.103	.086	.090
121	94.2	.126	.140	.143	.151
122	3.0	−.525	−.627	−.670	−.690
123	10.0	−.363	−.442	−.483	−.486
124	25.0	−.315	−.403	−.483	−.558
125	41.0	−.286	−.365	−.434	−.591
126	52.5	−.225	−.276	−.288	−.528
127	62.5	−.169	−.195	−.199	−.214
128	72.5	−.064	−.067	−.062	−.024
129	78.0	−.008	−.001	.005	−.032
130	85.3	.073	.088	.098	.111
131	94.1	.138	.157	.169	.174
132	3.0	−.570	−.664	−.727	−.703
133	10.0	−.374	−.463	−.518	−.548
134	25.0	−.327	−.406	−.472	−.577
135	41.0	−.298	−.378	−.429	−.609
136	52.5	−.258	−.316	−.352	−.537
137	62.5	−.181	−.209	−.217	−.185
138	72.5	−.110	−.116	−.116	−.097
139	83.4	−.038	.002	.004	.011
140	94.0	.061	.080	.088	.092
141	3.0	−.639	−.700	−.757	−.734
142	10.0	−.406	−.492	−.563	−.620
143	25.0	−.338	−.431	−.526	−.598
144	41.0	−.311	−.398	−.490	−.626
145	52.5	−.261	−.319	−.346	−.563
146	62.5	−.166	−.167	−.181	−.195
147	72.5	−.111	−.113	−.103	−.071
148	84.0	−.022	−.004	.009	.037
149	92.0	.048	.069	.083	.098
150	3.0	−.598	−.732	−.854	−.839
151	10.0	−.357	−.398	−.582	−.671
152	25.0	−.304	−.382	−.461	−.613
153	41.0	−.269	−.324	−.335	−.543
154	52.5	−.203	−.228	−.223	−.172
155	62.5	−.118	−.116	−.105	−.042
156	72.5	−.052	−.037	−.026	.011
157	84.9	.102	.128	.140	.155

NACA

TABLE 33

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = -5.1^\circ,\ \alpha = 0^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	0.061	0.111	0.139	0.177	0.206	
2	6.0	-.078	-.046	-.023	.010	-.041	
3	15.0	-.147	-.135	-.119	-.088	-.056	
4	27.5	-.193	-.199	-.189	-.161	-.128	
5	40.0	--	--	--	--	--	
6	50.0	--	--	--	--	--	
7	59.0	--	--	--	--	--	
8	67.5	--	--	--	--	--	
9	77.5	--	--	--	--	--	
10	87.5	--	--	--	--	--	
11	96.0	--	--	--	--	--	
B12	2.0	.031	.081	.024	.150	.180	
13	6.0	-.114	-.091	-.070	-.035	-.002	
14	15.0	-.205	-.204	-.193	-.159	-.126	
15	27.5	-.274	-.308	-.302	-.270	-.235	
16	40.0	-.325	-.401	-.421	-.397	-.355	
17	50.0	-.324	-.421	-.482	-.454	-.426	
18	59.0	-.294	-.397	-.507	-.525	-.489	
19	67.5	-.230	-.316	-.408	-.487	-.461	
20	77.5	-.155	-.214	-.269	-.421	-.460	
21	88.0	-.056	-.080	-.103	-.166	-.286	
22	95.3	--	--	--	--	--	
C23	2.0	.017	.062	.093	.138	.168	
24	6.0	-.134	-.124	-.104	-.061	-.028	
25	15.0	-.237	-.258	-.248	-.216	-.180	
26	27.5	-.304	-.365	-.373	-.342	-.303	
27	40.0	-.352	-.459	-.504	-.478	-.440	
28	50.0	-.332	-.430	-.555	-.538	-.510	
29	59.0	-.302	-.406	-.537	-.620	-.604	
30	67.5	--	--	--	--	--	
31	77.5	-.103	-.118	-.130	-.321	-.540	
32	88.0	.013	.019	.021	.010	-.241	
33	95.3	.094	.119	.111	.118	.038	
D34	2.0	-.040	-.007	.015	.063	.093	
35	15.0	-.248	-.290	-.290	-.254	-.220	
36	27.5	-.307	-.390	-.412	-.379	-.329	
37	40.0	-.356	-.483	-.572	-.540	-.497	
38	50.0	-.341	-.422	-.601	-.611	-.603	
39	59.0	-.267	-.338	-.493	-.525	-.587	
40	67.5	-.242	-.358	-.360	-.523	-.558	
41	77.5	-.073	-.078	-.066	-.258	-.379	
42	87.5	.021	.033	.046	-.008	-.206	
43	94.2	.093	.112	.122	.090	-.083	
E44	2.0	.043	.068	.088	.135	.171	0.201
45	6.0	-.132	-.148	-.139	-.102	-.067	-.033
46	15.0	-.227	-.276	-.295	-.269	-.236	-.198
47	27.5	-.281	-.368	-.414	-.398	-.365	-.324
48	40.0	-.321	-.435	-.543	-.546	-.503	-.456
49	50.0	-.300	-.400	-.507	-.626	-.623	-.577
50	59.0	-.247	-.338	-.437	-.549	-.587	-.641
51	67.5	-.205	-.227	-.156	-.320	-.450	-.588
52	77.5	-.017	-.025	-.012	-.068	-.225	-.470
53	88.5	.173	.194	.196	.085	.020	-.054
54	95.5	.142	.169	.177	.124	.028	-.022
F55	2.0	.031	.046	.058	.106	.139	.169
56	6.0	-.118	-.136	-.138	-.103	-.068	-.035
57	15.0	-.215	-.275	-.302	-.284	-.253	-.215
58	27.5	-.267	-.354	-.413	-.410	-.378	-.337
59	49.0	-.300	-.409	-.515	-.561	-.524	-.476
60	50.0	-.268	-.354	-.441	-.552	-.594	-.595
61	59.0	-.214	-.298	-.361	-.555	-.570	-.616
62	67.5	-.099	-.107	-.077	-.116	-.485	-.603
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	.076	.078	.076	.107	.139	.167
66	6.0	-.098	-.121	-.136	-.119	-.091	-.059
67	15.0	-.187	-.237	-.271	-.278	-.257	-.218
68	27.5	-.232	-.305	-.357	-.405	-.393	-.352
69	40.0	-.264	-.349	-.405	-.481	-.417	-.451
70	50.0	-.238	-.305	-.347	-.412	-.385	-.439
71	59.0	-.178	-.246	-.297	-.394	-.362	-.434
72	67.5	-.071	-.067	-.047	-.043	-.207	-.382
73	77.5	.100	.114	.121	.117	-.079	-.299
74	87.2	--	--	--	--	--	--
75	96.8	.134	.162	.170	.194	.151	.000
H76	2.0	.057	.060	.058	.071	.098	.126
77	6.0	-.118	-.152	-.172	-.169	-.152	-.120
78	15.0	-.184	-.244	-.285	-.312	-.293	-.260
79	27.5	-.232	-.306	-.360	-.441	-.442	-.409
80	40.0	-.254	-.321	-.357	-.405	-.398	-.389
81	50.0	-.225	-.270	-.296	-.372	-.394	-.389
82	59.0	-.168	-.228	-.268	-.349	-.330	-.343
83	67.5	-.151	-.205	-.156	-.018	-.094	-.269
84	88.3	.123	.154	.169	.189	.160	-.108
85	94.2	.129	.157	.172	.192	.185	-.036

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	-0.093	-0.084	-0.074	-0.064	-0.036	
87	10.0	--	--	--	--	--	
88	25.0	-.145	-.156	-.159	-.148	-.125	
89	41.0	--	--	--	--	--	
90	52.5	--	--	--	--	--	
91	62.5	--	--	--	--	--	
92	72.5	--	--	--	--	--	
93	84.0	--	--	--	--	--	
94	94.0	--	--	--	--	--	
95	3.0	-.120	-.126	-.126	-.121	-.094	
96	10.0	-.130	-.137	-.139	-.122	-.106	
97	25.0	-.190	-.226	-.240	-.238	-.212	
98	41.0	-.210	-.270	-.310	-.330	-.319	
99	52.5	-.187	-.253	-.313	-.313	-.370	
100	62.5	-.137	-.186	-.222	-.311	-.412	
101	72.5	-.061	-.084	-.116	-.148	-.334	
102	86.3	.026	.012	.004	-.028	-.138	
103	94.5	--	--	--	--	--	
104	3.0	-.121	-.147	-.154	-.159	-.131	
105	10.0	-.163	-.197	-.212	-.214	-.185	
106	25.0	-.204	-.255	-.288	-.380	-.274	
107	41.0	-.237	-.276	-.350	-.416	-.408	
108	52.5	-.211	-.258	-.307	-.423	-.481	
109	62.5	-.137	-.171	-.196	-.234	-.509	
110	72.5	-.037	-.051	-.059	-.057	-.253	
111	85.1	.070	.077	.080	.083	.027	
112	94.6	.158	.196	.183	.192	.174	
113	3.0	-.118	-.154	-.180	-.202	-.181	
114	10.0	-.141	-.179	-.205	-.221	-.197	
115	25.0	-.205	-.264	-.309	-.346	-.330	
116	41.0	--	--	--	--	--	
117	52.5	-.185	-.234	-.270	-.357	-.493	
118	62.5	-.134	-.185	-.228	-.215	-.458	
119	72.5	.011	.019	.013	.010	-.318	
120	87.4	.105	.118	.126	.128	.090	
121	94.2	.140	.157	.166	.167	.126	
122	3.0	-.115	-.140	-.155	-.194	-.170	-0.134
123	10.0	-.167	-.222	-.252	-.292	-.222	-.191
124	25.0	-.200	-.255	-.288	-.346	-.346	-.314
125	41.0	-.211	-.269	-.301	-.368	-.457	-.428
126	52.5	-.171	-.217	-.244	-.304	-.408	-.478
127	62.5	-.135	-.177	-.204	-.237	-.382	-.445
128	72.5	-.073	-.027	-.009	-.026	-.074	-.419
129	78.0	.037	.038	.039	.021	.014	-.357
130	85.3	.103	.117	.121	.106	.093	-.199
131	94.1	.157	.177	.184	.159	.128	.041
132	3.0	-.142	-.163	-.175	-.219	-.205	-.171
133	10.0	-.164	-.201	-.220	-.265	-.241	-.198
134	25.0	-.208	-.260	-.288	-.337	-.354	-.331
135	41.0	-.224	-.285	-.319	-.380	-.461	-.438
136	52.5	-.207	-.258	-.287	-.340	-.472	-.540
137	62.5	-.151	-.186	-.202	-.228	-.329	-.532
138	72.5	-.086	-.096	-.099	-.115	-.131	-.402
139	83.4	-.002	.000	.004	-.012	-.027	-.181
140	94.0	.067	.083	.089	.081	.083	-.050
141	3.0	-.154	-.161	-.155	-.184	-.176	-.153
142	10.0	-.195	-.238	-.252	-.287	-.275	-.242
143	25.0	-.227	-.287	-.315	-.369	-.395	-.385
144	41.0	-.241	-.311	-.350	-.426	-.491	-.483
145	52.5	-.215	-.268	-.299	-.367	-.449	-.507
146	62.5	-.165	-.211	-.241	-.306	-.343	-.441
147	72.5	-.126	-.164	-.125	-.087	-.213	-.458
148	84.0	.004	.021	.028	.030	.026	-.250
149	92.0	.059	.077	.087	.082	.064	-.141
150	3.0	-.177	-.212	-.217	-.243	-.238	-.224
151	10.0	-.192	-.250	-.274	-.292	-.266	-.244
152	25.0	-.221	-.293	-.342	-.463	-.459	-.438
153	41.0	-.218	-.275	-.306	-.385	-.462	-.554
154	52.5	-.177	-.210	-.234	-.337	-.444	-.532
155	62.5	-.119	-.168	-.198	-.059	-.269	-.510
156	72.5	-.042	-.020	-.002	.011	.011	-.362
157	84.9	.112	.139	.150	.162	.189	.009

NACA

TABLE 34

$$\left[\Lambda = 30°, \ \delta_{a_n} = -5.1°, \ \alpha = 2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-0.286	-0.206	-0.155	-0.093	-0.046	
2	6.0	-.302	-.268	-.231	-.185	-.143	
3	15.0	-.286	-.279	-.253	-.215	-.176	
4	27.5	-.289	-.313	-.292	-.255	-.216	
5	40.0	--	--	--	--	--	
6	50.0	--	--	--	--	--	
7	59.0	--	-.-	--	-.-	--	
8	67.5	--	--	--	--	--	
9	77.5	--	--	--	--	--	
10	87.5	--	--	--	--	--	
11	96.0	--	--	-.-	--	--	
B12	2.0	-.347	-.271	-.209	-.140	-.088	
13	6.0	-.359	-.337	-.298	-.246	-.200	
14	15.0	-.359	-.374	-.348	-.298	-.258	
15	27.5	-.383	-.440	-.420	-.377	-.334	
16	40.0	-.407	-.523	-.526	-.475	-.428	
17	50.0	-.393	-.540	-.580	-.546	-.507	
18	59.0	-.342	-.491	-.634	-.608	-.560	
19	67.5	-.268	-.380	-.564	-.576	-.538	
20	77.5	-.179	-.247	-.340	-.554	-.538	
21	88.0	-.071	-.101	-.156	-.240	-.392	
22	95.3	--	--	--	--	--	
C23	2.0	-.397	-.321	-.249	-.169	-.107	
24	6.0	-.394	-.388	-.342	-.194	-.229	
25	15.0	-.403	-.449	-.419	-.368	-.319	
26	27.5	-.421	-.521	-.507	-.461	-.416	
27	40.0	-.441	-.601	-.628	-.573	-.521	
28	50.0	-.404	-.555	-.680	-.637	-.596	
29	59.0	-.362	-.525	-.680	-.687	-.689	
30	67.5	--	--	--	--	--	
31	77.5	-.130	-.146	-.204	-.511	-.631	
32	88.0	-.001	.006	-.007	-.103	-.401	
33	95.3	.083	.106	.110	.108	-.028	
D34	2.0	-.481	-.416	-.332	-.235	-.165	
35	15.0	-.426	-.540	-.476	-.418	-.366	
36	27.5	-.431	-.566	-.569	-.516	-.471	
37	40.0	-.450	-.647	-.696	-.639	-.587	
38	50.0	-.413	-.578	-.689	-.620	-.654	
39	59.0	-.339	-.487	-.631	-.582	-.603	
40	67.5	-.289	-.237	-.562	-.535	-.604	
41	77.5	-.111	-.110	-.130	-.363	-.480	
42	87.5	.007	.026	.046	-.202	-.343	
43	94.2	.085	.109	.107	-.087	-.258	
E44	2.0	-.439	-.413	-.334	-.225	-.125	-0.070
45	6.0	-.423	-.479	-.440	-.366	-.288	-.239
46	15.0	-.410	-.515	-.502	-.446	-.382	-.331
47	27.5	-.407	-.552	-.592	-.552	-.497	-.450
48	40.0	-.418	-.580	-.697	-.639	-.597	-.550
49	50.0	-.378	-.516	-.674	-.625	-.622	-.638
50	59.0	-.333	-.459	-.548	-.469	-.492	-.650
51	67.5	-.194	-.164	-.252	-.359	-.401	-.588
52	77.5	-.064	-.047	-.044	-.236	-.298	-.498
53	88.5	.149	.177	.124	-.108	-.201	-.206
54	95.5	.132	.165	.146	-.047	-.155	-.172
F55	2.0	-.446	-.449	-.380	-.266	-.158	-.098
56	6.0	-.417	-.484	-.457	-.377	-.292	-.239
57	15.0	-.403	-.527	-.527	-.469	-.401	-.349
58	27.5	-.397	-.546	-.614	-.577	-.518	-.468
59	49.0	-.395	-.544	-.696	-.675	-.629	-.577
60	50.0	-.345	-.470	-.628	-.624	-.635	-.648
61	59.0	-.280	-.386	-.582	-.624	-.635	-.638
62	67.5	-.130	-.107	-.057	-.325	-.557	-.635
63	86.5	--	--	--	--	--	-.-
64	94.6	--	--	--	--	--	--
G65	2.0	-.404	-.440	-.398	-.279	-.163	-.095
66	6.0	-.398	-.495	-.511	-.429	-.337	-.275
67	15.0	-.369	-.486	-.534	-.481	-.411	-.357
68	27.5	-.361	-.481	-.611	-.590	-.530	-.481
69	40.0	-.356	-.461	-.562	-.529	-.544	-.572
70	50.0	-.310	-.398	-.524	-.526	-.522	-.566
71	59.0	-.257	-.360	-.221	-.420	-.464	-.556
72	67.5	-.078	-.052	-.040	-.218	-.355	-.501
73	77.5	.082	.107	.104	-.028	-.165	-.381
74	87.2	--	-.-	--	--	--	--
75	96.8	.135	.172	.186	.154	.102	-.006
H76	2.0	-.352	-.421	-.419	-.319	-.203	-.134
77	6.0	-.378	-.500	-.560	-.490	-.398	-.331
78	15.0	-.329	-.442	-.551	-.534	-.470	-.413
79	27.5	-.328	-.422	-.500	-.565	-.486	-.476
80	40.0	-.322	-.395	-.448	-.513	-.453	-.433
81	50.0	-.279	-.340	-.400	-.481	-.359	-.359
82	59.0	-.231	-.313	-.215	-.162	-.241	-.291
83	67.5	-.119	.002	.001	-.030	-.156	-.252
84	88.3	.115	.150	.169	.146	.021	-.150
85	94.2	.126	.159	.176	.164	.053	-.117

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.166	0.174	0.177	0.179	0.195	
87	10.0	--	--	--	--	--	
88	25.0	-.048	-.051	-.050	-.045	-.028	
89	41.0	--	--	--	-.-	--	
90	52.5	--	--	--	--	--	
91	62.5	--	--	--	--	--	
92	72.5	--	--	--	--	--	
93	84.0	--	--	--	--	--	
94	94.0	--	--	--	--	--	
95	3.0	.158	.149	.146	.140	.152	
96	10.0	.016	.008	.006	.008	.023	
97	25.0	-.088	-.109	-.117	-.120	-.110	
98	41.0	-.136	-.177	-.200	-.220	-.222	
99	52.5	-.131	-.178	-.211	-.256	-.274	
100	62.5	-.094	-.082	-.156	-.193	-.309	
101	72.5	-.027	-.052	-.069	-.094	-.199	
102	86.3	.051	.039	.024	-.002	-.061	
103	94.5	--	--	--	--	--	
104	3.0	.171	.152	.136	.122	.126	
105	10.0	.016	-.003	-.015	-.023	-.016	
106	25.0	-.094	-.129	-.149	-.166	-.165	
107	41.0	-.148	-.196	-.229	-.273	-.307	
108	52.5	-.138	-.183	-.214	-.261	-.373	
109	62.5	-.091	-.125	-.149	-.187	-.342	
110	72.5	-.008	-.021	-.033	-.047	-.121	
111	85.1	.085	.097	.115	.091	.056	
112	94.6	.168	.190	.203	.191	.162	
113	3.0	.186	.160	--	.104	.092	
114	10.0	.044	.016	-.003	-.025	-.031	
115	25.0	-.091	-.129	-.157	-.190	-.213	
116	41.0	--	--	--	--	--	
117	52.5	-.127	-.163	-.188	-.314	-.360	
118	62.5	-.078	-.108	-.135	-.176	-.315	
119	72.5	-.028	-.051	-.020	.015	-.041	
120	87.4	.127	.147	.149	.123	.099	
121	94.2	.152	.173	.174	.130	.079	
122	3.0	.194	.186	.164	.127	.104	0.112
123	10.0	.000	-.022	-.044	-.055	-.075	-.065
124	25.0	-.086	-.116	-.136	-.176	-.208	-.197
125	41.0	-.132	-.170	-.194	-.247	-.327	-.353
126	52.5	-.110	-.140	-.160	-.211	-.282	-.397
127	62.5	-.086	-.105	-.122	-.176	-.245	-.361
128	72.5	-.039	-.073	-.095	-.146	-.162	-.322
129	78.0	.012	.072	.082	.016	-.012	-.189
130	85.3	.134	.146	.142	.094	.053	.016
131	94.1	.168	.189	.181	.106	.057	.043
132	3.0	.183	.181	.160	.117	.084	.087
133	10.0	.024	.014	-.002	-.037	-.064	-.060
134	25.0	-.093	-.119	-.136	-.177	-.211	-.206
135	41.0	-.145	-.182	-.207	-.263	-.323	-.357
136	52.5	-.146	-.182	-.205	-.269	-.347	-.455
137	62.5	-.109	-.132	-.151	-.213	-.288	-.455
138	72.5	-.060	-.069	-.075	-.129	-.171	-.324
139	83.4	.008	-.013	.007	-.060	-.128	-.215
140	94.0	.076	.089	.087	.032	-.014	-.085
141	3.0	.181	.193	.183	.140	.107	.099
142	10.0	-.002	-.009	-.023	-.062	-.088	-.090
143	25.0	-.107	-.139	-.158	-.205	-.233	-.244
144	41.0	-.163	-.209	-.238	-.312	-.379	-.390
145	52.5	-.156	-.196	-.220	-.290	-.422	-.500
146	62.5	-.153	-.157	-.183	-.251	-.356	-.485
147	72.5	-.077	-.105	-.130	-.200	-.330	-.460
148	84.0	-.045	-.023	.011	.008	-.017	-.339
149	92.0	.070	.088	.088	.049	.021	-.161
150	3.0	.131	.141	.136	.092	.062	.054
151	10.0	-.031	-.050	-.063	-.102	-.113	-.103
152	25.0	-.135	-.180	-.213	-.289	-.332	-.332
153	41.0	-.163	-.214	-.245	-.330	-.472	-.481
154	52.5	-.139	-.172	-.189	-.252	-.424	-.566
155	62.5	-.086	-.111	-.132	-.204	-.405	-.521
156	72.5	-.038	-.028	-.015	-.017	-.055	-.492
157	84.9	.108	.139	.149	.134	.085	-.102

NACA

TABLE 35

$$\left[\Lambda = 30°,\ \delta_{a_n} = -5.1°,\ \alpha = 4°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-0.722	-0.619	-0.549	-0.444	-0.351	
2	6.0	-.559	-.529	-.494	-.421	-.351	
3	15.0	-.430	-.432	-.405	-.354	-.306	
4	27.5	-.392	-.434	-.404	-.350	-.294	
5	40.0	--	--	--	--	--	
6	50.0	--	--	--	--	--	
7	59.0	--	--	--	--	--	
8	67.5	--	--	--	--	--	
9	77.5	--	--	--	--	--	
10	87.5	--	--	--	--	--	
11	96.0	--	--	--	--	--	
B12	2.0	-.831	-.747	-.654	-.526	-.413	
13	6.0	-.643	-.641	-.603	-.524	-.446	
14	15.0	-.516	-.555	-.515	-.451	-.390	
15	27.5	-.488	-.575	-.550	-.494	-.435	
16	40.0	-.486	-.654	-.619	-.567	-.514	
17	50.0	-.446	-.675	-.693	-.637	-.577	
18	59.0	-.382	-.619	-.738	-.683	-.623	
19	67.5	-.298	-.431	-.699	-.661	-.607	
20	77.5	-.202	-.268	-.462	-.642	-.605	
21	88.0	-.087	-.116	-.260	-.342	-.505	
22	95.3	--	--	--	--	--	
C23	2.0	-.924	-.818	-.683	-.543	-.424	
24	6.0	-.705	-.740	-.701	-.602	-.505	
25	15.0	-.569	-.648	-.598	-.527	-.457	
26	27.5	-.531	-.683	-.658	-.597	-.531	
27	40.0	-.523	-.766	-.739	-.676	-.610	
28	50.0	-.463	-.720	-.791	-.723	-.661	
29	59.0	-.395	-.672	-.774	-.721	-.748	
30	67.5	--	--	--	--	--	
31	77.5	-.160	-.164	-.367	-.689	-.675	
32	88.0	-.026	-.005	-.021	-.326	-.577	
33	95.3	.064	.098	.086	.075	-.153	
D34	2.0	-1.080	-.926	-.752	-.590	-.455	
35	15.0	-.596	-.743	-.689	-.602	-.523	
36	27.5	-.543	-.764	-.750	-.678	-.607	
37	40.0	-.529	-.843	-.813	-.732	-.689	
38	50.0	-.471	-.791	-.784	-.693	-.713	
39	59.0	-.373	-.478	-.717	-.636	-.655	
40	67.5	-.263	-.235	-.594	-.542	-.666	
41	77.5	-.137	-.115	-.259	-.421	-.575	
42	87.5	-.009	.020	-.107	-.315	-.460	
43	94.2	.108	.092	-.023	-.250	-.395	
E44	2.0	-1.054	-1.015	-.779	-.590	-.469	-0.355
45	6.0	-.758	-1.035	-.870	-.721	-.619	-.514
46	15.0	-.575	-.822	-.772	-.673	-.598	-.509
47	27.5	-.521	-.785	-.773	-.704	-.642	-.571
48	40.0	-.491	-.814	-.779	-.682	-.665	-.660
49	50.0	-.425	-.550	-.752	-.671	-.648	-.708
50	59.0	-.331	-.335	-.580	-.542	-.591	-.706
51	67.5	-.218	-.209	-.340	-.400	-.479	-.642
52	77.5	-.084	-.057	-.150	-.294	-.379	-.586
53	88.5	.072	.124	-.012	-.202	-.307	-.388
54	95.5	.105	.141	.029	-.159	-.268	-.339
F55	2.0	-1.054	-1.045	-.811	-.631	-.509	-.392
56	6.0	-.781	-1.069	-.891	-.735	-.624	-.514
57	15.0	-.569	-.868	-.832	-.710	-.624	-.528
58	27.5	-.504	-.799	-.795	-.725	-.664	-.587
59	49.0	-.473	-.740	-.795	-.797	-.755	-.683
60	50.0	-.392	-.441	-.769	-.741	-.736	-.749
61	59.0	-.285	-.282	-.642	-.663	-.715	-.742
62	67.5	-.153	-.135	-.121	-.257	-.398	-.722
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	-1.021	-1.054	-.800	-.629	-.499	-.383
66	6.0	-.755	-1.105	-.903	-.732	-.630	-.521
67	15.0	-.537	-.935	-.875	-.756	-.655	-.559
68	27.5	-.467	-.778	-.793	-.686	-.625	-.606
69	40.0	-.429	-.449	-.772	-.663	-.600	-.600
70	50.0	-.355	-.395	-.556	-.461	-.481	-.590
71	59.0	-.241	-.257	-.353	-.329	-.377	-.549
72	67.5	-.118	-.107	-.125	-.270	-.330	-.505
73	77.5	.041	.072	.021	-.203	-.288	-.457
74	87.2	--	--	--	--	--	--
75	96.8	.138	.098	.177	.012	-.103	-.247
H76	2.0	-.867	-1.058	-.821	-.644	-.514	-.401
77	6.0	-.660	-.995	-.908	-.765	-.650	-.545
78	15.0	-.475	-.868	-.880	-.794	-.705	-.607
79	27.5	-.411	-.313	-.778	-.685	-.625	-.564
80	40.0	-.378	-.422	-.511	-.549	-.513	-.538
81	50.0	-.317	-.343	-.225	-.307	-.334	-.464
82	59.0	-.211	-.205	-.115	-.198	-.264	-.390
83	67.5	-.093	-.073	-.035	-.130	-.213	-.342
84	88.3	.110	.141	.128	.009	-.117	-.294
85	94.2	.128	.157	.145	.039	-.086	-.267

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.376	0.377	0.382	0.373	0.375	
87	10.0	--	--	--	--	--	
88	25.0	.046	.052	.057	.054	.062	
89	41.0	--	--	--	--	--	
90	52.5	--	--	--	--	--	
91	62.5	--	--	--	--	--	
92	72.5	--	--	--	--	--	
93	84.0	--	--	--	--	--	
94	94.0	--	--	--	--	--	
95	3.0	.376	.361	.357	.343	.338	
96	10.0	.160	.154	.155	.146	.149	
97	25.0	.010	.000	-.004	-.014	.067	
98	41.0	-.065	-.088	-.101	-.126	-.136	
99	52.5	-.072	-.104	-.126	-.166	-.205	
100	62.5	-.052	-.074	-.094	-.132	-.193	
101	72.5	.007	-.010	-.028	-.062	-.117	
102	86.3	.074	.071	.051	.016	-.024	
103	94.5	--	--	--	--	--	
104	3.0	.393	.366	.356	.330	.318	
105	10.0	.167	.153	.146	.129	.123	
106	25.0	.007	-.014	-.026	-.049	-.060	
107	41.0	-.076	-.106	-.128	-.168	-.206	
108	52.5	-.083	-.111	-.138	-.188	-.345	
109	62.5	-.049	-.068	-.092	-.138	-.215	
110	72.5	.018	.025	-.001	-.038	-.089	
111	85.1	.097	.114	.104	.081	.063	
112	94.6	.164	.190	.185	.165	.130	
113	3.0	.412	.282	.357	.320	.293	
114	10.0	.190	.173	.158	.129	.111	
115	25.0	.013	-.010	-.030	-.067	-.096	
116	41.0	--	--	--	--	--	
117	52.5	-.073	-.097	-.127	-.183	-.263	
118	62.5	-.036	-.051	-.076	-.130	-.184	
119	72.5	.026	.048	.028	-.028	-.055	
120	87.4	.130	.157	.136	.088	.062	
121	94.2	.146	.176	.140	.057	.019	
122	3.0	.420	.401	.369	.328	.312	0.297
123	10.0	.187	.167	.139	.110	.093	.079
124	25.0	.018	.003	-.024	-.065	-.086	-.097
125	41.0	-.059	-.080	-.112	-.168	-.211	-.252
126	52.5	-.058	-.072	-.105	-.166	-.202	-.259
127	62.5	-.049	-.055	-.088	-.160	-.214	-.233
128	72.5	.004	-.006	-.040	-.105	-.153	-.184
129	78.0	.024	.022	-.008	-.077	-.121	-.078
130	85.3	.110	.169	.137	.059	.012	.028
131	94.1	.162	.193	.147	.059	.015	.012
132	3.0	.418	.401	.366	.320	.298	.277
133	10.0	.184	.176	.149	.110	.093	.080
134	25.0	.013	.001	-.027	-.070	-.092	-.105
135	41.0	-.070	-.090	-.124	-.185	-.219	-.252
136	52.5	-.091	-.111	-.148	-.223	-.283	-.310
137	62.5	-.065	-.079	-.115	-.190	-.254	-.289
138	72.5	-.034	-.034	-.067	-.140	-.189	-.195
139	83.4	-.003	.017	-.030	-.134	-.229	-.265
140	94.0	.072	.095	.052	-.048	-.164	-.236
141	3.0	.420	.415	.381	.330	.307	.284
142	10.0	.162	.159	.129	.083	.062	.051
143	25.0	-.002	-.016	-.047	-.101	-.125	-.128
144	41.0	-.090	-.118	-.159	-.238	-.295	-.297
145	52.5	-.103	-.130	-.170	-.259	-.371	-.403
146	62.5	-.051	-.117	-.121	-.201	-.317	-.412
147	72.5	-.045	-.053	-.087	-.168	-.283	-.357
148	84.0	-.044	-.040	-.067	-.159	-.285	-.455
149	92.0	.070	.098	.076	-.013	-.120	-.342
150	3.0	.361	.363	.327	.276	.252	.236
151	10.0	.109	.103	.069	.023	.007	.010
152	25.0	.046	-.083	-.128	-.200	-.230	-.226
153	41.0	-.111	-.153	-.204	-.321	-.413	-.406
154	52.5	-.103	-.136	-.193	-.272	-.486	-.524
155	62.5	-.057	-.078	-.112	-.210	-.430	-.556
156	72.5	-.023	-.022	-.042	-.088	-.281	-.500
157	84.9	.129	.121	.114	.050	-.036	-.319

NACA

TABLE 36

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = -5.1^\circ,\ \alpha = 7^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.802	0.85	0.89	0.925	0.96
A 1	2.0	-2.002	-1.361	-1.133	-0.961	-0.827	
2	6.0	-.907	-1.197	-1.011	-.877	-.603	
3	15.0	-.662	-.691	-.628	-.566	-.498	
4	27.5	-.619	-.610	-.561	-.512	-.455	
5	40.0	--	--	--	--	--	
6	50.0	--	--	--	--	--	
7	59.0	--	--	--	--	--	
8	67.5	--	--	--	--	--	
9	77.5	--	--	--	--	--	
10	87.5	--	--	--	--	--	
11	96.0	--	--	--	--	--	
B12	2.0	-2.040	-1.388	-1.167	-.991	-.843	
13	6.0	-1.107	-1.293	-1.129	-.991	-.865	
14	15.0	-.758	-1.033	-.982	-.863	-.745	
15	27.5	-.641	-.746	-.704	-.659	-.597	
16	40.0	-.592	-.799	-.760	-.700	-.633	
17	50.0	-.526	-.855	-.804	-.746	-.677	
18	59.0	-.438	-.845	-.847	-.785	-.719	
19	67.5	-.346	-.503	-.825	-.771	-.710	
20	77.5	-.236	-.309	-.593	-.762	-.703	
21	88.0	-.120	-.161	-.343	-.514	-.633	
22	95.3	--	--	--	--	--	
C23	2.0	-2.109	-1.409	-1.168	-.980	-.817	
24	6.0	-1.323	-1.363	-1.160	-1.010	-.876	
25	15.0	-.826	-1.209	-1.068	-.955	-.848	
26	27.5	-.686	-.843	-.982	-.877	-.778	
27	40.0	-.619	-.919	-.837	-.760	-.710	
28	50.0	-.542	-.972	-.892	-.835	-.762	
29	59.0	-.428	-.573	-1.002	-.922	-.843	
30	67.5	--	--	--	--	--	
31	77.5	-.173	-.182	-.380	-.577	-.847	
32	88.0	-.054	-.026	-.268	-.358	-.448	
33	95.3	-.003	-.026	-.083	-.196	-.279	
D34	2.0	-1.896	-1.447	-1.189	-.996	-.829	
35	15.0	-.928	-1.306	-1.125	-.992	-.879	
36	27.5	-.686	-1.229	-1.116	-1.002	-.903	
37	40.0	-.606	-1.123	-1.064	-.954	-.923	
38	50.0	-.513	-.888	-1.037	-.937	-.898	
39	59.0	-.415	-.348	-.537	-.818	-.825	
40	67.5	-.278	-.197	-.298	-.597	-.872	
41	77.5	-.143	-.115	-.248	-.375	-.808	
42	87.5	-.036	-.058	-.241	-.328	-.480	
43	94.2	-.016	-.089	-.234	-.328	-.365	
E44	2.0	-1.716	-1.515	-1.232	-1.028	-.874	-0.730
45	6.0	-1.457	-1.450	-1.207	-1.044	-.907	-.779
46	15.0	-.992	-1.346	-1.144	-1.003	-.894	-.786
47	27.5	-.648	-1.249	-1.061	-.936	-.895	-.824
48	40.0	-.552	-.905	-.904	-.845	-.853	-.866
49	50.0	-.450	-.596	-.648	-.623	-.786	-.882
50	59.0	-.335	-.412	-.560	-.540	-.671	-.869
51	67.5	-.221	-.252	-.482	-.491	-.594	-.834
52	77.5	-.104	-.104	-.382	-.444	-.539	-.794
53	88.5	.024	.067	-.229	-.382	-.488	-.682
54	95.5	.047	.093	-.148	-.351	-.454	-.518
F55	2.0	-1.767	-1.523	-1.242	-1.029	-.867	-.712
56	6.0	-1.615	-1.452	-1.208	-1.045	-.909	-.779
57	15.0	-.966	-1.308	-1.085	-1.005	-.903	-.788
58	27.5	-.626	-1.158	-.996	-.967	-.925	-.829
59	49.0	-.521	-.711	-.647	-.889	-.902	-.877
60	50.0	-.409	-.540	-.535	-.742	-.880	-.901
61	59.0	-.295	-.383	-.465	-.474	-.791	-.909
62	67.5	-.175	-.262	-.409	-.387	-.540	-.891
63	86.5	--	--	--	--	--	--
64	94.6	--	--	--	--	--	--
G65	2.0	-1.542	-1.489	-1.251	-1.031	-.863	-.690
66	6.0	-1.387	-1.366	-1.227	-1.050	-.908	-.772
67	15.0	-.972	-1.264	-1.097	-.954	-.863	-.785
68	27.5	-.610	-.839	-1.026	-.889	-.804	-.808
69	40.0	-.455	-.583	-.701	-.702	-.705	-.824
70	50.0	-.346	-.438	-.560	-.584	-.581	-.828
71	59.0	-.231	-.334	-.376	-.502	-.522	-.812
72	67.5	-.130	-.243	-.270	-.427	-.500	-.802
73	77.5	-.036	-.145	-.236	-.355	-.474	-.758
74	87.2	--	--	--	--	--	--
75	96.8	.090	-.001	-.141	-.159	-.311	-.502
H76	2.0	-1.585	-.886	-.921	-.849	-.828	-.695
77	6.0	-1.196	-.836	-.881	-.839	-.798	-.770
78	15.0	-.672	-.692	-.717	-.688	-.733	-.798
79	27.5	-.486	-.557	-.570	-.511	-.577	-.768
80	40.0	-.385	-.448	-.482	-.435	-.461	-.772
81	50.0	-.287	-.373	-.414	-.395	-.418	-.735
82	59.0	-.185	-.312	-.355	-.361	-.393	-.695
83	67.5	-.096	-.254	-.302	-.319	-.370	-.644
84	88.3	.024	-.162	-.194	-.278	-.355	-.649
85	94.2	.043	-.127	-.157	-.256	-.339	-.627

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89	0.924	0.96
86	3.0	.590	.582	.573	.568	.572	
87	10.0	--	--	--	--	--	
88	25.0	.169	.179	.174	.173	.182	
89	41.0	--	--	--	--	--	
90	52.5	--	--	--	--	--	
91	62.5	--	--	--	--	--	
92	72.5	--	--	--	--	--	
93	84.0	--	--	--	--	--	
94	94.0	--	--	--	--	--	
95	3.0	.583	.554	.540	.529	.528	
96	10.0	.327	.322	.311	.304	.307	
97	25.0	.134	.128	.117	.108	.111	
98	41.0	.028	.016	-.003	-.019	-.022	
99	52.5	.006	-.015	-.043	-.070	-.084	
100	62.5	.006	-.011	-.042	-.070	-.090	
101	72.5	.043	.041	.010	-.021	-.018	
102	86.3	.107	.105	.078	.043	.027	
103	94.5	--	--	--	--	--	
104	3.0	.595	.554	.531	.514	.508	
105	10.0	.342	.317	.298	.284	.282	
106	25.0	.133	.115	.094	.077	.073	
107	41.0	.020	.016	-.035	-.062	-.077	
108	52.5	-.010	-.036	-.073	-.108	-.134	
109	62.5	-.009	-.015	-.051	-.090	-.118	
110	72.5	.053	.044	.012	-.024	-.047	
111	85.1	.111	.117	.172	.049	.036	
112	94.6	.156	.161	.210	.077	.063	
113	3.0	.603	.554	.526	.501	.486	
114	10.0	.359	.327	.302	.281	.271	
115	25.0	.140	.113	.083	.058	.045	
116	41.0	--	--	--	--	--	
117	52.5	-.006	-.036	-.083	-.126	-.166	
118	62.5	.010	-.013	-.064	-.107	-.217	
119	72.5	.067	.056	.009	-.024	-.049	
120	87.4	.130	.130	.082	.052	.040	
121	94.2	.130	.117	.037	.004	-.006	
122	3.0	.610	.570	.533	.510	.493	-.044
123	10.0	.330	.332	.286	.251	.243	.046
124	25.0	.146	.121	.084	.058	.045	.036
125	41.0	.034	.006	-.039	-.077	-.097	-.110
126	52.5	.010	-.014	-.066	-.110	-.129	-.129
127	62.5	-.005	-.026	-.087	-.141	-.172	-.184
128	72.5	.037	.027	-.032	-.087	-.108	-.113
129	78.0	.061	.069	.009	-.057	-.078	-.078
130	85.3	.117	.131	.068	.005	.003	.024
131	94.1	.137	.163	.079	-.013	-.010	.017
132	3.0	.613	.567	.526	.499	.481	-.084
133	10.0	.356	.324	.285	.261	.247	.039
134	25.0	.139	.115	.075	.048	.035	.026
135	41.0	.023	-.006	-.059	-.098	-.116	-.122
136	52.5	-.020	-.052	-.115	-.165	-.191	-.204
137	62.5	-.022	-.047	-.116	-.170	-.189	-.198
138	72.5	-.007	-.025	-.099	-.150	-.150	-.136
139	83.4	-.007	-.050	-.169	-.251	-.287	-.295
140	94.0	.036	.019	-.120	-.220	-.273	-.267
141	3.0	.603	.564	.520	.491	.472	-.194
142	10.0	.330	.297	.252	.223	.209	.009
143	25.0	.120	.085	.036	.003	-.008	-.017
144	41.0	-.006	-.055	-.120	-.170	-.191	-.198
145	52.5	-.042	-.100	-.176	-.241	-.281	-.285
146	62.5	-.033	-.052	-.165	-.223	-.285	-.299
147	72.5	-.026	-.086	-.171	-.230	-.276	-.260
148	84.0	-.052	-.111	-.186	-.272	-.452	-.472
149	92.0	-.043	-.026	-.120	-.155	-.272	-.374
150	3.0	.539	.490	.452	.419	.403	-.167
151	10.0	.252	.210	.169	.138	.129	.036
152	25.0	.043	-.017	-.073	-.123	-.135	-.135
153	41.0	-.052	-.133	-.203	-.297	-.328	-.329
154	52.5	-.068	-.152	-.219	-.349	-.435	-.437
155	62.5	-.042	-.121	-.173	-.279	-.433	-.464
156	72.5	-.029	-.116	-.158	-.236	-.366	-.397
157	84.9	.040	-.075	-.102	-.184	-.407	-.522

NACA

TABLE 37

$$\left[\Lambda = 30°,\ \delta_{a_n} = 5.0°,\ \alpha = -2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number			
		0.60	0.80	0.85	0.89
A 1	2.0	0.316	0.349	0.363	0.376
2	6.0	.104	.135	.151	.165
3	15.0	-.029	-.002	.011	.027
4	27.5	-.106	-.101	-.092	-.075
5	40.0	--	--	--	--
6	50.0	--	--	--	--
7	59.0	--	--	--	--
8	67.5	--	--	--	--
9	77.5	--	--	--	--
10	87.5	--	--	--	--
11	96.0	--	--	--	--
B12	2.0	.300	.334	.345	.355
13	6.0	.080	.105	.118	.131
14	15.0	-.075	-.068	-.057	-.042
15	27.5	-.177	-.193	-.189	-.175
16	40.0	-.249	-.299	-.311	-.301
17	50.0	-.265	-.337	-.365	-.367
18	59.0	-.249	-.328	-.387	-.404
19	67.5	-.193	-.272	-.323	-.421
20	77.5	-.135	-.187	-.222	-.295
21	88.0	-.026	-.049	-.085	-.147
22	95.3	--	--	--	--
C23	2.0	.303	.336	.345	.352
24	6.0	.070	.089	.099	.109
25	15.0	-.097	-.103	-.096	-.084
26	27.5	-.203	-.238	-.243	-.232
27	40.0	-.276	-.353	-.384	-.380
28	50.0	-.278	-.372	-.453	-.476
29	59.0	-.259	-.334	-.410	-.534
30	67.5	--	--	--	--
31	77.5	-.087	-.105	-.110	-.186
32	88.0	.020	.019	.018	.031
33	95.3	.107	.110	.111	.117
D34	2.0	.259	.296	.295	.306
35	15.0	-.105	-.116	-.119	-.111
36	27.5	-.206	-.253	-.271	-.266
37	40.0	-.285	-.369	-.425	-.443
38	50.0	-.285	-.380	-.450	-.543
39	59.0	-.227	-.305	-.391	-.518
40	67.5	-.196	-.286	-.334	-.475
41	77.5	-.105	-.055	-.070	-.066
42	87.5	.033	.031	.037	.066
43	94.2	.101	.111	.119	.138
E44	2.0	.338	.377	.387	.389
45	6.0	.073	.095	.103	.108
46	15.0	-.098	-.102	-.103	-.103
47	27.5	-.204	-.240	-.256	-.266
48	40.0	-.279	-.355	-.397	-.449
49	50.0	-.285	-.365	-.421	-.555
50	59.0	-.257	-.332	-.376	-.529
51	67.5	-.206	-.256	-.266	-.280
52	77.5	-.065	-.074	-.077	-.064
53	88.5	.145	.133	.140	.146
54	95.5	.119	.136	.142	.152
F55	2.0	.313	.354	.363	.369
56	6.0	.074	.101	.113	.116
57	15.0	-.104	-.109	-.105	-.109
58	27.5	-.207	-.244	-.259	-.271
59	49.0	-.287	-.361	-.403	-.444
60	50.0	-.300	-.383	-.445	-.564
61	59.0	-.280	-.347	-.385	-.514
62	67.5	-.231	-.285	-.313	-.346
63	86.5	-.039	-.041	-.036	-.019
64	94.6	--	--	--	--
G65	2.0	.303	.358	.377	.383
66	6.0	.057	.090	.195	.114
67	15.0	-.107	-.109	-.105	-.093
68	27.5	-.216	-.253	-.263	-.272
69	40.0	-.300	-.378	-.415	-.441
70	50.0	-.320	-.413	-.477	-.592
71	59.0	-.290	-.369	-.424	-.531
72	67.5	-.253	-.319	-.373	-.492
73	77.5	-.216	-.282	-.334	-.263
74	87.2	-.132	-.048	-.010	.006
75	96.8	.117	.124	.136	.139
H76	2.0	.239	.284	.304	.323
77	6.0	.004	.014	.023	.038
78	15.0	-.137	-.160	-.169	-.165
79	27.5	-.220	-.274	-.297	-.294
80	40.0	-.286	-.376	-.447	-.505
81	50.0	-.300	-.374	-.426	-.482
82	59.0	-.246	-.305	-.364	-.461
83	67.5	-.190	-.270	-.338	-.420
84	88.3	-.008	.032	.054	.072
85	94.2	.076	1.01	.122	.122

LOWER SURFACE

Tube	Per-cent chord	Mach Number			
		0.60	0.80	0.85	0.89
86	3.0	-0.389	-0.408	-0.396	-0.359
87	10.0	--	--	--	--
88	25.0	-.233	-.271	-.278	-.258
89	41.0	--	--	--	--
90	52.5	--	--	--	--
91	62.5	--	--	--	--
92	72.5	--	--	--	--
93	84.0	--	--	--	--
94	94.0	--	--	--	--
95	3.0	-.442	-.496	-.494	-.454
96	10.0	-.295	-.345	-.356	-.333
97	25.0	-.278	-.344	-.363	-.352
98	41.0	-.270	-.365	-.435	-.431
99	52.5	-.233	-.328	-.422	-.478
100	62.5	-.169	-.237	-.288	-.517
101	72.5	-.087	-.128	-.153	-.293
102	86.3	.007	-.009	-.021	-.066
103	94.5	--	--	--	--
104	3.0	-.466	-.563	-.576	-.556
105	10.0	-.333	-.417	-.437	-.408
106	25.0	-.298	-.390	-.433	-.437
107	41.0	-.283	-.390	-.507	-.533
108	52.5	-.239	-.321	-.394	-.603
109	62.5	-.162	-.207	-.221	-.521
110	72.5	-.057	-.072	-.077	-.106
111	85.1	.053	.058	.062	.054
112	94.6	.140	.149	.153	.147
113	3.0	-.468	-.612	-.668	-.644
114	10.0	-.319	-.420	-.467	-.460
115	25.0	-.298	-.406	-.485	-.504
116	41.0	--	--	--	--
117	52.5	-.243	-.296	-.322	-.609
118	62.5	-.143	-.170	-.167	-.343
119	72.5	-.032	-.037	-.029	.005
120	87.4	.094	.100	.115	.118
121	94.2	.134	.147	.155	.162
122	3.0	-.464	-.616	-.689	-.727
123	10.0	-.329	-.428	-.491	-.525
124	25.0	-.282	-.380	-.445	-.564
125	41.0	-.246	-.318	-.359	-.561
126	52.5	-.177	-.215	-.217	-.447
127	62.5	-.112	-.133	-.135	-.067
128	72.5	-.005	.001	-.008	.056
129	78.0	.048	.066	.075	.111
130	85.3	.125	.146	.158	.184
131	94.1	.171	.186	.203	.221
132	3.0	-.473	-.634	-.741	-.733
133	10.0	-.320	-.429	-.518	-.576
134	25.0	-.267	-.353	-.404	-.577
135	41.0	-.224	-.289	-.321	-.529
136	52.5	-.165	-.200	-.209	-.237
137	62.5	-.048	-.055	-.054	.002
138	72.5	.083	.093	.102	.139
139	83.4	.193	.211	.219	.245
140	94.0	.145	.168	.176	.195
141	3.0	-.414	-.577	-.690	-.756
142	10.0	-.308	-.419	-.506	-.653
143	25.0	-.246	-.326	-.368	-.567
144	41.0	-.198	-.250	-.267	-.325
145	52.5	-.134	-.144	-.145	-.089
146	62.5	-.018	-.001	.003	.035
147	72.5	.107	.123	.000	.156
148	84.0	.241	.260	.262	.291
149	92.0	.175	.203	.214	.226
150	3.0	-.384	-.535	-.648	-.813
151	10.0	-.270	-.360	-.399	-.638
152	25.0	-.230	-.295	-.320	-.413
153	41.0	-.183	-.214	-.223	-.178
154	52.5	-.118	-.109	-.104	-.083
155	62.5	-.004	.012	.037	.037
156	72.5	.103	.117	.128	.143
157	84.9	.137	.174	.186	.176

NACA

TABLE 38

$$\left[\Lambda = 30^{\circ},\ \delta_{an} = 5.0^{\circ},\ \alpha = 0^{\circ}\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	0.056	0.106	0.135	0.165	0.012	
2	6.0	−.085	−.049	−.028	.002	−.012	
3	15.0	−.155	−.137	−.120	−.094	−.083	
4	27.5	−.199	−.203	−.192	−.168	−.157	
5	40.0	− −	− −	− −	− −	− −	
6	50.0	− −	− −	− −	− −	− −	
7	59.0	− −	− −	− −	− −	− −	
8	67.5	− −	− −	− −	− −	− −	
9	77.5	− −	− −	− −	− −	− −	
10	87.5	− −	− −	− −	− −	− −	
11	96.0	− −	− −	− −	− −	− −	
B12	2.0	.021	.077	.107	.140	.011	
13	6.0	−.122	−.095	−.070	−.040	−.030	
14	15.0	−.211	−.210	−.195	−.169	−.158	
15	27.5	−.278	−.309	−.303	−.276	−.263	
16	40.0	−.328	−.401	−.417	−.395	−.365	
17	50.0	−.329	−.429	−.476	−.468	−.378	
18	59.0	−.299	−.408	−.499	−.483	−.444	
19	67.5	−.235	−.326	−.453	−.550	−.589	
20	77.5	−.159	−.219	−.283	−.446	−.517	
21	88.0	−.050	−.059	−.111	−.201	−.345	
22	95.3	− −	− −	− −	− −	− −	
C23	2.0	.006	.061	.095	.133	.021	
24	6.0	−.142	−.124	−.100	−.066	−.055	
25	15.0	−.244	−.262	−.249	−.219	−.208	
26	27.5	−.311	−.369	−.371	−.344	−.325	
27	40.0	−.361	−.468	−.503	−.481	−.458	
28	50.0	−.345	−.468	−.566	−.562	−.511	
29	59.0	−.311	−.419	−.560	−.628	−.588	
30	67.5	− −	− −	− −	− −	− −	
31	77.5	−.105	−.125	−.129	−.403	−.547	
32	88.0	.007	.008	.013	−.039	−.379	
33	95.3	.093	.102	.105	.106	−.037	
D34	2.0	−.063	−.017	.016	.063	.066	
35	15.0	−.259	−.293	−.285	−.255	−.243	
36	27.5	−.321	−.396	−.410	−.383	−.369	
37	40.0	−.371	−.495	−.574	−.543	−.516	
38	50.0	−.354	−.478	−.609	−.634	−.615	
39	59.0	−.285	−.389	−.520	−.564	−.621	
40	67.5	−.262	−.386	−.493	−.557	−.597	
41	77.5	−.201	−.065	−.052	−.318	−.511	
42	87.5	.018	.029	.042	−.054	−.211	
43	94.2	.097	.113	.122	.082	−.094	
E44	2.0	−.002	.066	.106	.156	.007	0.210
45	6.0	−.170	−.152	−.127	−.086	−.048	−.021
46	15.0	−.262	−.289	−.288	−.258	−.222	−.189
47	27.5	−.325	−.382	−.415	−.390	−.354	−.315
48	40.0	−.371	−.487	−.568	−.544	−.499	−.451
49	50.0	−.360	−.472	−.603	−.674	−.628	−.573
50	59.0	−.315	−.409	−.522	−.675	−.658	−.640
51	67.5	−.240	−.289	−.276	−.394	−.446	−.582
52	77.5	−.095	−.098	−.090	−.148	−.235	−.363
53	88.5	.126	.132	.122	.027	−.087	−.217
54	95.5	.113	.137	.140	.066	−.039	−.144
F55	2.0	−.043	.024	.066	.124	.166	.181
56	6.0	−.176	−.143	−.127	−.083	−.044	−.022
57	15.0	−.273	−.304	−.301	−.273	−.237	−.206
58	27.5	−.331	−.401	−.426	−.404	−.367	−.330
59	49.0	−.384	−.501	−.573	−.556	−.514	−.469
60	50.0	−.377	−.488	−.610	−.690	−.645	−.592
61	59.0	−.340	−.428	−.548	−.653	−.658	−.654
62	67.5	−.276	−.340	−.324	−.623	−.627	−.636
63	86.5	−.052	−.094	−.037	−.052	−.128	−.317
64	94.6	− −	− −	− −	− −	− −	− −
G65	2.0	−.074	.007	.056	.117	.170	.180
66	6.0	−.209	−.186	−.159	−.111	−.063	−.047
67	15.0	−.282	−.313	−.309	−.279	−.239	−.213
68	27.5	−.342	−.413	−.436	−.416	−.379	−.347
69	40.0	−.397	−.518	−.577	−.560	−.507	−.469
70	50.0	−.397	−.516	−.623	−.560	−.459	−.454
71	59.0	−.351	−.449	−.559	−.537	−.462	−.449
72	67.5	−.307	−.413	−.541	−.530	−.398	−.415
73	77.5	−.273	−.301	−.193	−.281	−.268	−.324
74	87.2	−.046	−.012	.009	−.043	−.164	−.243
75	96.8	.100	.130	.144	.050	−.118	−.188
H76	2.0	−.102	−.055	−.020	.046	.118	−.111
77	6.0	−.232	−.257	−.242	−.196	−.135	−.112
78	15.0	−.276	−.339	−.358	−.327	−.280	−.249
79	27.5	−.314	−.392	−.430	−.396	−.347	−.311
80	40.0	−.358	−.465	−.586	−.496	−.417	−.416
81	50.0	−.348	−.428	−.515	−.465	−.414	−.408
82	59.0	−.291	−.370	−.488	−.462	−.385	−.395
83	67.5	−.252	−.351	−.321	−.297	−.288	−.335
84	88.3	−.003	−.032	.059	.003	−.099	−.206
85	94.2	.004	.107	.120	.025	−.046	−.152

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	−0.082	−0.073	−0.068	−0.053	−0.022	
87	10.0	− −	− −	− −	− −	− −	
88	25.0	−.143	−.157	−.161	−.153	−.125	
89	41.0	− −	− −	− −	− −	− −	
90	52.5	− −	− −	− −	− −	− −	
91	62.5	− −	− −	− −	− −	− −	
92	72.5	− −	− −	− −	− −	− −	
93	84.0	− −	− −	− −	− −	− −	
94	94.0	− −	− −	− −	− −	− −	
95	3.0	−.112	−.122	−.125	−.116	−.083	
96	10.0	−.139	−.154	−.153	−.141	−.106	
97	25.0	−.185	−.221	−.239	−.239	−.210	
98	41.0	−.205	−.267	−.306	−.335	−.318	
99	52.5	−.181	−.259	−.306	−.364	−.362	
100	62.5	−.132	−.181	−.218	−.329	−.420	
101	72.5	−.057	−.089	−.106	−.152	−.361	
102	86.3	.026	.014	.002	−.022	−.185	
103	94.5	.349	− −	− −	− −	− −	
104	3.0	−.108	−.140	−.155	−.068	−.120	
105	10.0	−.153	−.193	−.212	−.213	−.178	
106	25.0	−.196	−.253	−.285	−.301	−.273	
107	41.0	−.215	−.286	−.342	−.418	−.406	
108	52.5	−.191	−.253	−.299	−.432	−.482	
109	62.5	−.130	−.165	−.190	−.247	−.501	
110	72.5	−.030	−.043	−.052	−.054	−.471	
111	85.1	.068	.087	.053	.079	−.026	
112	94.6	.164	.177	.185	.192	.164	
113	3.0	−.100	−.151	−.183	−.203	−.255	
114	10.0	−.129	−.176	−.207	−.225	−.280	
115	25.0	−.190	−.257	−.304	−.348	−.346	
116	41.0	.619	− −	− −	− −	− −	
117	52.5	−.171	−.221	−.258	−.358	−.513	
118	62.5	−.120	−.176	−.214	−.203	−.470	
119	72.5	.023	.029	.024	.018	−.358	
120	87.4	.114	.131	.137	.141	.066	
121	94.2	.147	.167	.173	.174	.115	
122	3.0	−.075	−.128	−.148	−.204	−.207	−0.153
123	10.0	−.127	−.184	−.223	−.263	−.258	−.209
124	25.0	−.169	−.227	−.268	−.331	−.368	−.331
125	41.0	−.169	−.225	−.258	−.327	−.453	−.442
126	52.5	−.123	−.165	−.196	−.256	−.392	−.486
127	62.5	−.084	−.123	−.149	−.134	−.327	−.456
128	72.5	.024	.058	.054	.040	.008	−.429
129	78.0	.089	.100	.100	.094	.078	−.365
130	85.3	.153	.179	.186	.176	.143	−.230
131	94.1	.192	.220	.227	.202	.150	.005
132	3.0	−.074	−.137	−.179	−.233	−.250	−.195
133	10.0	−.112	−.169	−.209	−.261	−.264	−.215
134	25.0	−.151	−.210	−.250	−.310	−.377	−.349
135	41.0	−.146	−.200	−.233	−.286	−.422	−.451
136	52.5	−.105	−.146	−.173	−.224	−.365	−.488
137	62.5	−.052	−.098	−.102	−.065	−.344	−.447
138	72.5	.130	.143	.149	.144	.117	−.405
139	83.4	.224	.251	.261	.260	.235	−.124
140	94.0	.158	.177	.184	.177	.163	.080
141	3.0	−.018	.117	−.114	−.173	−.225	−.180
142	10.0	−.100	−.158	−.196	−.256	−.301	−.260
143	25.0	−.128	−.185	−.218	−.278	−.408	−.406
144	41.0	−.120	−.163	−.188	−.239	−.345	−.481
145	52.5	−.071	−.105	−.130	−.185	−.317	−.488
146	62.5	−.028	−.070	−.057	−.059	−.147	−.386
147	72.5	.156	.172	.177	.154	.113	−.373
148	84.0	.266	.298	.273	.282	.244	−.136
149	92.0	.186	.225	.223	.165	.114	.008
150	3.0	−.029	−.073	−.115	−.182	−.261	−.245
151	10.0	−.104	−.156	−.189	−.245	−.279	−.265
152	25.0	−.144	−.197	−.234	−.311	−.450	−.458
153	41.0	−.127	−.160	−.180	−.229	−.341	−.488
154	52.5	−.075	−.100	−.121	−.179	−.302	−.477
155	62.5	−.042	−.076	.064	−.043	.044	−.425
156	72.5	.145	.160	.166	.146	.132	−.333
157	84.9	.142	.168	.166	.102	.068	−.043

NACA

TABLE 39

$$\left[\Lambda = 30^{\circ},\ \delta_{a_n} = 5.0^{\circ},\ \alpha = 2^{\circ}\right]$$

CONFIDENTIAL

		UPPER SURFACE								LOWER SURFACE					
		Mach Number								Mach Number					
Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96	Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-0.297	-0.231	-0.168	-0.107	-0.049		86	3.0	0.174	0.190	0.187	0.185	0.192	
2	6.0	-.309	-.284	-.243	-.195	-.145		87	10.0	- -	- -	- -	- -		
3	15.0	-.294	-.292	-.262	-.221	-.178		88	25.0	-.050	-.046	-.048	-.049	-.037	
4	27.5	-.297	-.322	-.299	-.262	-.224		89	41.0	- -	- -	- -	- -		
5	40.0	- -	- -	- -	- -	- -		90	52.5	- -	- -	- -	- -	- -	
6	50.0	- -	- -	- -	- -	- -		91	62.5	- -	- -	- -	- -	- -	
7	59.0	- -	- -	- -	- -	- -		92	72.5	- -	- -	- -	- -	- -	
8	67.5	- -	- -	- -	- -	- -		93	84.0	- -	- -	- -	- -	- -	
9	77.5	- -	- -	- -	- -	- -		94	94.0	- -	- -	- -	- -	- -	
10	87.5	- -	- -	- -	- -	- -									
11	96.0	- -	- -	- -	- -	- -									
B12	2.0	-.360	-.292	-.221	-.151	-.193		95	3.0	.163	.164	.152	.143	.147	
13	6.0	-.367	-.351	-.306	-.252	-.200		96	10.0	.017	.019	.012	.008	.019	
14	15.0	-.367	-.385	-.352	-.308	-.261		97	25.0	-.086	-.101	-.079	-.124	-.118	
15	27.5	-.390	-.447	-.425	-.384	-.338		98	41.0	-.133	-.170	-.196	-.225	-.224	
16	40.0	-.411	-.530	-.525	-.475	-.426		99	52.5	-.126	-.172	-.209	-.267	-.285	
17	50.0	-.400	-.546	-.588	-.547	-.441		100	62.5	-.089	-.125	-.154	-.201	-.339	
18	59.0	-.348	-.516	-.604	-.557	-.475		101	72.5	-.022	-.049	-.065	-.101	-.249	
19	67.5	-.271	-.400	-.624	-.636	-.648		102	86.3	.051	.039	.024	-.005	-.116	
20	77.5	-.185	-.253	-.374	-.554	-.575		103	94.5	- -	- -	- -	- -	- -	
21	88.0	-.070	-.090	-.144	-.282	-.425									
22	95.3	- -	- -	- -	- -	- -									
C23	2.0	-.411	-.340	-.256	-.174	-.105		104	3.0	.177	.163	.141	.121	.118	
24	6.0	-.402	-.400	-.346	-.285	-.227		105	10.0	.021	.005	-.012	-.026	-.041	
25	15.0	-.411	-.459	-.424	-.373	-.321		106	25.0	-.105	-.122	-.146	-.170	-.175	
26	27.5	-.428	-.529	-.507	-.467	-.418		107	41.0	-.141	-.189	-.226	-.280	-.319	
27	40.0	-.450	-.616	-.627	-.574	-.528		108	52.5	-.132	-.177	-.210	-.269	-.393	
28	50.0	-.420	-.599	-.677	-.650	-.591		109	62.5	-.086	-.118	-.146	-.195	-.399	
29	59.0	-.371	-.544	-.717	-.739	-.637		110	72.5	-.005	-.013	-.028	-.055	-.196	
30	67.5	- -	- -	- -	- -	- -		111	85.1	.086	.094	.091	.076	.018	
31	77.5	-.135	-.160	-.219	-.559	-.588		112	94.6	.172	.187	.191	.181	.129	
32	88.0	-.010	-.004	-.001	-.187	-.529									
33	95.3	.080	.097	.029	.086	-.113									
D34	2.0	-.503	-.429	-.334	-.237	-.156		113	3.0	.197	.170	.135	.100	.080	
35	15.0	-.437	-.515	-.476	-.419	-.365		114	10.0	.046	.022	-.003	-.032	-.045	
36	27.5	-.443	-.577	-.571	-.523	-.472		115	25.0	-.080	-.119	-.151	-.195	-.224	
37	40.0	-.463	-.671	-.698	-.642	-.586		116	41.0	- -	- -	- -	- -		
38	50.0	-.427	-.604	-.665	-.665	-.678		117	52.5	-.115	-.151	-.180	-.213	-.415	
39	59.0	-.331	-.538	-.616	-.620	-.659		118	62.5	-.209	-.095	-.126	-.179	-.370	
40	67.5	-.321	-.302	-.569	-.603	-.656		119	72.5	-.014	.032	.030	.022	-.223	
41	77.5	-.116	-.112	-.259	-.415	-.602		120	87.4	.130	.148	.145	.128	.086	
42	87.5	.001	.019	-.018	-.261	-.379		121	94.2	.154	.175	.173	.138	.073	
43	94.2	.087	.105	.091	-.112	-.192									
E44	2.0	-.493	-.418	-.316	-.199	-.088	-0.035	122	3.0	.231	.196	-.161	.120	.078	0.087
45	6.0	-.466	-.486	-.432	-.345	-.258	-.207	123	10.0	.048	.022	-.015	-.045	-.089	-.068
46	15.0	-.446	-.530	-.504	-.433	-.363	-.313	124	25.0	-.053	-.093	-.124	-.172	-.222	-.212
47	27.5	-.452	-.582	-.598	-.542	-.480	-.433	125	41.0	-.091	-.131	-.163	-.227	-.323	-.365
48	40.0	-.466	-.658	-.710	-.655	-.591	-.539	126	52.5	-.063	-.092	-.118	-.176	-.260	-.402
49	50.0	-.432	-.608	-.794	-.736	-.692	-.641	127	62.5	-.032	-.050	-.075	-.132	-.210	-.353
50	59.0	-.367	-.495	-.703	-.621	-.657	-.677	128	72.5	.010	-.017	-.030	-.086	-.026	-.315
51	67.5	-.268	-.396	-.351	-.391	-.431	-.566	129	78.0	.110	.146	.138	.101	.068	-.188
52	77.5	-.122	-.119	-.145	-.244	-.299	-.397	130	85.3	.177	.201	.195	.153	.129	.034
53	88.5	.104	.114	.022	-.164	-.239	-.327	131	94.1	.202	.230	.216	.147	.114	.080
54	95.5	.107	.131	.072	-.121	-.208	-.298									
F55	2.0	-.548	-.478	-.373	-.238	-.115	-.059	132	3.0	.236	.201	.159	.109	.053	.054
56	6.0	-.482	-.502	-.447	-.352	-.258	-.206	133	10.0	.071	.039	.008	-.037	-.084	-.083
57	15.0	-.462	-.559	-.530	-.456	-.382	-.330	134	25.0	-.038	-.074	-.107	-.161	-.221	-.222
58	27.5	-.462	-.600	-.621	-.564	-.500	-.449	135	41.0	-.069	-.078	-.140	-.206	-.297	-.371
59	49.0	-.480	-.667	-.739	-.678	-.613	-.560	136	52.5	-.046	-.071	-.096	-.156	-.236	-.391
60	50.0	-.449	-.610	-.743	-.752	-.717	-.665	137	62.5	.011	-.019	.048	-.112	-.194	-.352
61	59.0	-.399	-.560	-.723	-.712	-.686	-.707	138	72.5	.149	.194	.192	.172	.151	-.205
62	67.5	-.310	-.468	-.563	-.683	-.684	-.688	139	83.4	.242	.272	.271	.248	.234	.135
63	86.5	-.059	-.041	-.034	-.092	-.264	-.466	140	94.0	.165	.188	.178	.127	.094	.064
64	94.6	- -	- -	- -	- -	- -	- -									
G65	2.0	-.598	-.531	-.413	-.266	-.121	-.050	141	3.0	.279	.250	.122	.151	.083	.061
66	6.0	-.526	-.577	-.523	-.415	-.299	-.238	142	10.0	.081	.051	.019	-.035	-.095	-.116
67	15.0	-.469	-.566	-.543	-.476	-.388	-.337	143	25.0	-.019	-.053	-.086	-.147	-.214	-.259
68	27.5	-.466	-.622	-.644	-.589	-.511	-.464	144	41.0	-.050	-.078	-.112	-.182	-.251	-.388
69	40.0	-.489	-.671	-.726	-.565	-.580	-.571	145	52.5	-.016	-.031	-.060	-.126	-.188	-.350
70	50.0	-.465	-.618	-.669	-.557	-.581	-.612	146	62.5	.020	.003	-.034	-.093	-.133	-.330
71	59.0	-.406	-.579	-.664	-.509	-.560	-.595	147	72.5	.183	.226	.212	.170	.142	-.141
72	67.5	-.366	-.536	-.603	-.397	-.505	-.582	148	84.0	.278	.313	.299	.252	.244	.068
73	77.5	-.231	-.210	-.228	-.298	-.409	-.514	149	92.0	.193	.223	.190	.098	.089	.028
74	87.2	-.043	-.016	-.019	-.182	-.201	-.353									
75	96.8	.103	.131	.088	-.131	-.142	-.242									
H76	2.0	-.558	-.599	-.492	-.338	-.183	-.094	150	3.0	.245	.230	.190	.128	.064	.025
77	6.0	-.503	-.659	-.616	-.498	-.374	-.294	151	10.0	.046	.021	-.015	-.069	-.110	-.125
78	15.0	-.426	-.567	-.614	-.537	-.451	-.384	152	25.0	-.065	-.102	-.144	-.221	-.288	-.342
79	27.5	-.410	-.509	-.584	-.473	-.408	-.378	153	41.0	-.081	-.109	-.144	-.215	-.303	-.468
80	40.0	-.427	-.554	-.627	-.532	-.468	-.438	154	52.5	-.039	-.052	-.080	-.147	-.239	-.442
81	50.0	-.402	-.500	-.607	-.512	-.434	-.434	155	62.5	.003	-.031	-.067	-.141	-.194	-.371
82	59.0	-.343	-.463	-.478	-.363	-.327	-.371	156	72.5	.159	.188	.177	.129	.093	-.199
83	67.5	-.306	-.287	-.187	-.246	-.268	-.318	157	84.9	.136	.160	.127	.038	-.023	-.096
84	88.3	-.019	.038	.020	-.084	-.160	-.244									
85	94.2	.063	.099	.063	-.061	-.146	-.240									

NACA

TABLE 40

$$\left[\Lambda = 30°,\ \delta_{a_n} = 5.0°,\ \alpha = 4°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	−0.741	−0.631	−0.535	−0.441	−0.353	
2	6.0	−.570	−.541	−.484	−.424	−.356	
3	15.0	−.431	−.439	−.401	−.361	−.313	
4	27.5	−.399	−.437	−.403	−.362	−.315	
5	40.0	− −	− −	− −	− −	− −	
6	50.0	− −	− −	− −	− −	− −	
7	59.0	− −	− −	− −	− −	− −	
8	67.5	− −	− −	− −	− −	− −	
9	77.5	− −	− −	− −	− −	− −	
10	87.5	− −	− −	− −	− −	− −	
11	96.0	− −	− −	− −	− −	− −	
B12	2.0	−.853	−.759	−.633	−.519	−.415	
13	6.0	−.652	−.647	−.586	−.523	−.450	
14	15.0	−.519	−.552	−.507	−.456	−.395	
15	27.5	−.490	−.573	−.543	−.494	−.441	
16	40.0	−.486	−.608	−.609	−.575	−.522	
17	50.0	−.451	−.576	−.590	−.570	−.527	
18	59.0	−.388	−.678	−.647	−.590	−.526	
19	67.5	−.302	−.498	−.795	−.772	−.711	
20	77.5	−.205	−.329	−.510	−.677	−.645	
21	88.0	−.080	−.136	−.212	−.385	−.502	
22	95.3	− −	− −	− −	− −	− −	
C23	2.0	−.942	−.818	−.657	−.530	−.419	
24	6.0	−.716	−.744	−.674	−.593	−.506	
25	15.0	−.575	−.645	−.588	−.526	−.458	
26	27.5	−.535	−.677	−.648	−.596	−.537	
27	40.0	−.530	−.736	−.731	−.677	−.611	
28	50.0	−.473	−.746	−.746	−.731	−.680	
29	59.0	−.396	−.707	−.745	−.741	−.729	
30	67.5	− −	− −	− −	− −	− −	
31	77.5	−.163	−.174	−.507	−.677	−.660	
32	88.0	−.029	−.021	−.035	−.462	−.622	
33	95.3	.061	.009	.063	−.026	−.247	
D34	2.0	−1.062	−.916	−.721	−.567	−.442	
35	15.0	−.606	−.740	−.668	−.594	−.519	
36	27.5	−.555	−.763	−.740	−.680	−.611	
37	40.0	−.543	−.844	−.803	−.743	−.689	
38	50.0	−.425	−.815	−.751	−.701	−.752	
39	59.0	−.385	−.673	−.682	−.654	−.725	
40	67.5	−.241	−.263	−.589	−.595	−.725	
41	77.5	−.141	−.120	−.361	−.466	−.670	
42	87.5	−.011	.015	−.151	−.352	−.543	
43	94.2	.060	.100	−.037	−.279	−.379	
E44	2.0	−1.117	−1.009	−.771	−.584	−.449	−0.336
45	6.0	−1.001	−1.031	−.866	−.716	−.600	−.496
46	15.0	−.613	−.823	−.864	−.665	−.577	−.494
47	27.5	−.559	−.802	−.774	−.702	−.631	−.565
48	40.0	−.543	−.859	−.807	−.737	−.712	−.659
49	50.0	−.475	−.804	−.774	−.708	−.694	−.692
50	59.0	−.392	−.433	−.680	−.662	−.683	−.659
51	67.5	−.280	−.283	−.459	−.511	−.613	−.651
52	77.5	−.140	−.117	−.243	−.348	−.441	−.615
53	88.5	.031	.065	−.105	−.274	−.364	−.515
54	95.5	.063	.110	−.047	−.234	−.339	−.469
F55	2.0	−1.305	−1.055	−.813	−.626	−.485	−.369
56	6.0	−.868	−1.075	−.888	−.724	−.600	−.490
57	15.0	−.636	−.874	−.824	−.699	−.598	−.507
58	27.5	−.575	−.826	−.794	−.719	−.648	−.577
59	49.0	−.553	−.879	−.881	−.796	−.726	−.675
60	50.0	−.493	−.800	−.827	−.775	−.705	−.721
61	59.0	−.409	−.432	−.781	−.724	−.701	−.703
62	67.5	−.316	−.305	−.360	−.456	−.623	−.700
63	86.5	−.047	−.025	−.139	−.276	−.416	−.529
64	94.6	− −	− −	− −	− −	− −	− −
G65	2.0	−1.266	−1.112	−.830	−.635	−.484	−.351
66	6.0	−.857	−1.137	−.929	−.750	−.613	−.491
67	15.0	−.642	−1.020	−.897	−.755	−.640	−.536
68	27.5	−.573	−.895	−.865	−.738	−.667	−.616
69	40.0	−.555	−.861	−.799	−.698	−.628	−.651
70	50.0	−.498	−.765	−.759	−.631	−.603	−.661
71	59.0	−.409	−.389	−.536	−.502	−.521	−.659
72	67.5	−.316	−.285	−.394	−.427	−.457	−.637
73	77.5	−.222	−.217	−.269	−.363	−.400	−.586
74	87.2	−.036	−.009	−.121	−.249	−.302	−.421
75	96.8	.058	.010	−.053	−.220	−.305	−.425
H76	2.0	−1.116	−1.170	−.889	−.674	−.515	−.373
77	6.0	−.819	−1.165	−.954	−.783	−.649	−.524
78	15.0	−.546	−.997	−.946	−.812	−.695	−.578
79	27.5	−.479	−.744	−.840	−.596	−.526	−.499
80	40.0	−.471	−.371	−.736	−.642	−.590	−.581
81	50.0	−.430	−.406	−.462	−.461	−.468	−.568
82	59.0	−.325	−.326	−.287	−.348	−.381	−.518
83	67.5	−.215	−.214	−.193	−.288	−.349	−.470
84	88.3	−.016	.004	−.049	−.166	−.253	−.413
85	94.2	.027	.074	−.021	−.143	−.238	−.404

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.384	0.383	0.376	0.369	0.375	
87	10.0	− −	− −	− −	− −	− −	
88	25.0	.044	.049	.047	.114	.055	
89	41.0	− −	− −	− −	− −	− −	
90	52.5	− −	− −	− −	− −	− −	
91	62.5	− −	− −	− −	− −	− −	
92	72.5	− −	− −	− −	− −	− −	
93	84.0	− −	− −	− −	− −	− −	
94	94.0	− −	− −	− −	− −	− −	
95	3.0	.379	.363	.348	.335	.334	
96	10.0	.161	.155	.146	.140	.145	
97	25.0	.011	.000	−.012	−.024	−.021	
98	41.0	−.063	−.091	−.110	−.136	−.144	
99	52.5	−.070	−.105	−.135	−.179	−.212	
100	62.5	−.051	−.067	−.103	−.146	−.206	
101	72.5	.008	−.023	−.039	−.095	−.134	
102	86.3	.160	.060	.041	−.005	−.045	
103	94.5	− −	− −	− −	− −	− −	
104	3.0	.399	.367	.344	.322	.312	
105	10.0	.171	.151	.134	.117	.115	
106	25.0	.008	−.016	−.036	−.061	−.069	
107	41.0	−.071	−.106	−.137	−.181	−.200	
108	52.5	−.080	−.114	−.149	−.196	−.279	
109	62.5	−.046	−.072	−.103	−.155	−.238	
110	72.5	.020	−.008	−.012	−.056	−.188	
111	85.1	.088	.110	.086	−.054	.019	
112	94.6	.165	.177	.172	.143	.106	
113	3.0	.418	.377	.343	.306	.284	
114	10.0	.197	.180	.145	.133	.101	
115	25.0	.021	−.008	−.039	−.071	−.123	
116	41.0	− −	− −	− −	− −	− −	
117	52.5	−.064	−.092	−.131	−.195	−.280	
118	62.5	−.029	−.045	−.080	−.140	−.218	
119	72.5	.031	.047	.022	−.051	−.069	
120	87.4	.133	.158	.136	.082	.058	
121	94.2	.144	.181	.138	.047	.028	
122	3.0	.443	.410	.372	.329	.302	0.278
123	10.0	.203	.186	.153	.114	.091	.082
124	25.0	.044	.022	−.013	−.059	−.099	−.111
125	41.0	−.023	−.047	−.088	−.149	−.206	−.268
126	52.5	−.016	−.030	−.071	−.131	−.183	−.273
127	62.5	.001	.000	−.041	−.102	−.153	−.223
128	72.5	.050	.041	−.001	−.061	−.112	−.176
129	78.0	.068	.103	.037	−.043	−.072	.026
130	85.3	.184	.222	.192	.154	.134	.110
131	94.1	.194	.233	.176	.112	.086	.079
132	3.0	.450	.417	.372	.321	.286	.261
133	10.0	.219	.198	.162	.117	.087	.061
134	25.0	.057	.038	−.001	−.052	−.090	−.120
135	41.0	−.006	−.026	−.073	−.139	−.098	−.267
136	52.5	−.003	−.016	−.062	−.127	−.190	−.276
137	62.5	.047	.041	−.005	−.065	−.121	−.211
138	72.5	.111	.182	.148	.096	−.052	.058
139	83.4	.244	.276	.250	.222	.210	.211
140	94.0	.141	.177	.120	.058	.021	.030
141	3.0	.479	.452	.404	.348	.303	.259
142	10.0	.223	.206	.163	.111	.070	.032
143	25.0	.068	.054	.008	−.047	−.097	−.142
144	41.0	.003	−.008	−.059	−.126	−.193	−.287
145	52.5	.017	.018	−.032	−.094	−.156	−.235
146	62.5	.066	.074	.023	−.042	−.097	−.157
147	72.5	.087	.112	.055	−.005	−.016	.077
148	84.0	.273	.322	.282	.251	.231	.242
149	92.0	.160	.214	.140	.077	.038	.036
150	3.0	.430	.412	.362	.308	.268	.208
151	10.0	.164	.148	.103	.106	.023	−.001
152	25.0	.003	−.022	−.080	−.146	−.193	−.223
153	41.0	.043	−.068	−.126	−.205	−.309	−.386
154	52.5	−.023	−.030	−.082	−.150	−.242	−.365
155	62.5	.026	.012	−.042	−.112	−.200	−.317
156	72.5	.040	.146	.105	.054	.009	−.115
157	84.9	.087	.139	.057	.021	−.094	−.143

NACA

TABLE 41

$$\left[\Lambda = 30°, \ \delta_{a_n} = 5.0°, \ \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-1.999	-1.378	-1.127	-0.957	-0.811	
2	6.0	-.909	-1.230	-1.007	-.876	-.765	
3	15.0	-.664	-.693	-.632	-.567	-.500	
4	27.5	-.551	-.634	-.582	-.532	-.473	
5	40.0	--	--	--	--	--	
6	50.0	--	--	--	--	--	
7	59.0	--	--	--	--	--	
8	67.5	--	--	--	--	--	
9	77.5	--	--	--	--	--	
10	87.5	--	--	--	--	--	
11	96.0	--	--	--	--	--	
B12	2.0	-1.976	-1.423	-1.158	-.981	-.830	
13	6.0	-1.122	-1.296	-1.117	-.982	-.858	
14	15.0	-.751	-.952	-1.045	-.869	-.730	●
15	27.5	-.644	-.753	-.699	-.648	-.582	
16	40.0	-.591	-.800	-.766	-.701	-.632	
17	50.0	-.525	-.709	-.735	-.697	-.640	
18	59.0	-.446	-.776	-.757	-.689	-.621	
19	67.5	-.321	-.606	-.931	-.868	-.796	
20	77.5	-.243	-.401	-.689	-.810	-.747	
21	88.0	-.106	-.179	-.323	-.566	-.628	
22	95.3	--	--	--	--	--	
C23	2.0	-2.119	-1.431	-1.152	-.962	-.804	
24	6.0	-1.338	-1.390	-1.158	-.998	-.867	
25	15.0	-.828	-1.236	-1.070	-.953	-.842	
26	27.5	-.693	-.831	-1.004	-.877	-.776	
27	40.0	-.624	-.916	-.835	-.758	-.725	
28	50.0	-.534	-.933	-.907	-.841	-.760	
29	59.0	-.434	-.698	-.972	-.910	-.839	
30	67.5	--	--	--	--	--	
31	77.5	-.174	-.208	-.360	-.674	-.858	
32	88.0	-.054	-.112	-.299	-.385	-.461	
33	95.3	.023	-.050	-.172	-.251	-.321	
D34	2.0	-1.926	-1.460	-1.170	-.972	-.810	
35	15.0	-.937	-1.331	-1.131	-.989	-.870	
36	27.5	-.695	-1.251	-1.123	-1.007	-.900	
37	40.0	-.620	-1.152	-1.070	-.963	-.929	
38	50.0	-.524	-1.018	-1.048	-.948	-.908	
39	59.0	-.406	-.401	-.608	-.863	-.845	
40	67.5	-.281	-.221	-.326	-.771	-.883	
41	77.5	-.150	-.121	-.274	-.448	-.861	
42	87.5	-.037	-.054	-.269	-.348	-.603	
43	94.2	.011	-.026	-.260	-.341	-.391	
E44	2.0	-1.861	-1.481	-1.199	-.976	-.817	-0.653
45	6.0	-1.668	-1.443	-1.208	-1.030	-.885	-.738
46	15.0	-1.052	-1.348	-1.134	-.998	-.880	-.753
47	27.5	-.693	-1.254	-1.083	-.947	-.897	-.800
48	40.0	-.607	-1.145	-1.032	-.915	-.873	-.859
49	50.0	-.518	-.738	-.800	-.745	-.853	-.900
50	59.0	-.400	-.526	-.659	-.627	-.795	-.886
51	67.5	-.278	-.332	-.565	-.567	-.714	-.853
52	77.5	-.138	-.133	-.433	-.500	-.626	-.820
53	88.5	-.013	.062	-.259	-.441	-.557	-.689
54	95.5	.017	.080	-.139	-.402	-.514	-.552
F55	2.0	-1.742	-1.526	-1.237	-1.011	-.836	-.650
56	6.0	-1.668	-1.460	-1.211	-1.033	-.885	-.736
57	15.0	-1.153	-1.328	-1.128	-.992	-.884	-.752
58	27.5	-.725	-1.254	-1.056	-.917	-.870	-.801
59	40.0	-.593	-.900	-.808	-.817	-.843	-.786
60	50.0	-.507	-.686	-.635	-.631	-.789	-.905
61	59.0	-.407	-.513	-.547	-.538	-.694	-.901
62	67.5	-.302	-.383	-.485	-.492	-.622	-.876
63	86.5	-.072	-.172	-.364	-.436	-.542	-.845
64	94.6	--	--	--	--	--	--
G65	2.0	-1.505	-1.553	-1.264	-1.029	-.840	-.618
66	6.0	-1.460	-1.450	-1.238	-1.054	-.894	-.728
67	15.0	-1.171	-1.330	-1.130	-1.017	-.890	-.750
68	27.5	-.819	-1.075	-1.061	-.945	-.847	-.803
69	40.0	-.596	-.696	-.845	-.926	-.829	-.861
70	50.0	-.478	-.559	-.687	-.850	-.783	-.903
71	59.0	-.380	-.467	-.554	-.728	-.710	-.923
72	67.5	-.289	-.383	-.386	-.506	-.660	-.931
73	77.5	-.199	-.278	-.302	-.357	-.544	-.918
74	87.2	-.085	-.155	-.200	-.261	-.369	-.707
75	96.8	-.020	-.133	-.201	-.300	-.394	-.735
H76	2.0	-1.330	-.963	-1.079	-.979	-.858	-.644
77	6.0	-1.201	-.906	-1.028	-.928	-.890	-.729
78	15.0	-.886	-.790	-.794	-.832	-.827	-.776
79	27.5	-.593	-.556	-.522	-.516	-.634	-.672
80	40.0	-.461	-.558	-.550	-.516	-.598	-.879
81	50.0	-.371	-.473	-.491	-.476	-.515	-.917
82	59.0	-.284	-.405	-.438	-.449	-.478	-.931
83	67.5	-.225	-.349	-.379	-.422	-.450	-.875
84	88.3	-.095	-.238	-.283	-.353	-.405	-1.004
85	94.2	-.073	-.216	-.261	-.338	-.401	-.882

LOWER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.592	0.470	0.570	0.652	0.567	
87	10.0	--	--	--	--	--	
88	25.0	.164	.173	--	.166	.174	
89	41.0	--	--	--	--	--	
90	52.5	--	--	--	--	--	
91	62.5	--	--	--	--	--	
92	72.5	--	--	--	--	--	
93	84.0	--	--	--	--	--	
94	94.0	--	--	--	--	--	
95	3.0	.582	.553	.403	.525	.523	
96	10.0	.327	.409	.300	.294	.297	
97	25.0	.134	.123	.108	.100	.104	
98	41.0	.028	.010	-.011	-.026	-.029	
99	52.5	.007	-.021	-.052	-.078	-.097	
100	62.5	.007	-.016	-.047	-.074	-.096	
101	72.5	.053	.031	-.003	-.030	-.034	
102	86.3	.104	.091	.056	.024	.010	
103	94.5	--	--	--	--	--	
104	3.0	.594	.551	.524	.508	.500	
105	10.0	.341	.311	.288	.275	.272	
106	25.0	.134	.110	.085	.069	.066	
107	41.0	.023	-.010	-.044	-.053	-.088	
108	52.5	-.007	-.042	-.083	-.118	-.147	
109	62.5	.007	-.021	-.063	-.101	-.133	
110	72.5	.056	.036	-.003	-.037	-.061	
111	85.1	.104	.094	.058	.026	.013	
112	94.6	.160	.143	.097	.060	.053	
113	3.0	.604	.552	.517	.492	.477	
114	10.0	.361	.323	.293	.312	.260	
115	25.0	.145	.120	.076	.057	.036	
116	41.0	--	--	--	--	--	
117	52.5	.001	-.035	-.090	-.135	-.250	
118	62.5	.016	-.015	-.070	-.113	-.233	
119	72.5	.058	.062	-.001	-.028	-.057	
120	87.4	.137	.135	.079	.056	.032	
121	94.2	.128	.121	.037	.001	-.013	
122	3.0	.625	.574	.538	.503	.484	0.443
123	10.0	.371	.335	.288	.262	.242	.212
124	25.0	.163	.134	.095	.059	.039	.009
125	41.0	.063	.029	-.018	-.065	-.095	-.138
126	52.5	.046	.016	-.033	-.086	-.118	-.142
127	62.5	.040	.017	-.037	-.096	-.131	-.175
128	72.5	.081	.078	.026	-.035	-.064	-.098
129	78.0	.111	.125	.081	.010	-.008	-.029
130	85.3	.162	.183	.134	.087	-.091	.100
131	94.1	.163	.199	.147	.055	.059	.077
132	3.0	.628	.574	.533	.494	.468	.421
133	10.0	.379	.338	.298	.261	.240	.201
134	25.0	.176	.141	.099	.059	.035	.002
135	41.0	.077	.042	-.011	-.064	-.098	-.142
136	52.5	.067	.021	-.034	-.094	-.132	-.197
137	62.5	.081	.063	.007	-.047	-.074	-.120
138	72.5	.163	.167	.118	.088	.075	.082
139	83.4	.239	.248	.201	.178	.183	.189
140	94.0	.121	.125	.023	-.023	-.013	.004
141	3.0	.628	.582	.540	.499	.471	.415
142	10.0	.369	.326	.283	.243	.216	.166
143	25.0	.173	.135	.088	.046	.018	-.027
144	41.0	.074	.028	-.025	-.075	-.111	-.161
145	52.5	.061	.018	-.036	-.086	-.119	-.159
146	62.5	.099	.071	.010	-.034	-.066	-.102
147	72.5	.140	.101	.052	.013	-.002	.020
148	84.0	.290	.273	.249	.225	.220	.214
149	92.0	.136	.091	.044	.020	.022	.021
150	3.0	.559	.517	.480	.442	.416	.369
151	10.0	.280	.238	.200	.162	.143	.110
152	25.0	.077	.022	-.025	-.074	-.102	-.130
153	41.0	-.003	-.069	-.120	-.188	-.251	-.296
154	52.5	-.005	-.071	-.114	-.176	-.237	-.325
155	62.5	.034	-.025	-.060	-.114	-.172	-.251
156	72.5	.061	.014	-.010	-.042	-.074	-.119
157	84.9	.017	-.077	-.107	-.157	-.184	-.172

NACA

TABLE 42

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = 10.0^\circ,\ \alpha = -2^\circ\right]$$

CONFIDENTIAL

		UPPER SURFACE							LOWER SURFACE			
Tube	Per-cent chord	Mach Number				Tube	Per-cent chord	Mach Number			
		0.60	0.80	0.85	0.89			0.60	0.80	0.85	0.89
A 1	2.0	0.304	0.346	0.362	0.376	86	3.0	-0.380	-0.397	-0.387	-0.352
2	6.0	.099	.133	.151	.169	87	10.0	--	--	--	--
3	15.0	-.033	-.006	.010	.028	88	25.0	-.225	-.260	-.268	-.249
4	27.5	-.109	-.101	-.089	-.072	89	41.0	--	--	--	--
5	40.0	--	--	--	--	90	52.5	--	--	--	--
6	50.0	--	--	--	--	91	62.5	--	--	--	--
7	59.0	--	--	--	--	92	72.5	--	--	--	--
8	67.5	--	--	--	--	93	84.0	--	--	--	--
9	77.5	--	--	--	--	94	94.0	--	--	--	--
10	87.5	--	--	--	--						
11	96.0	--	--	--	--						
B12	2.0	.294	.331	.345	.357	95	3.0	-.432	-.480	-.483	-.446
13	6.0	.073	.102	.118	.133	96	10.0	-.294	-.339	-.349	-.300
14	15.0	-.085	-.068	-.055	-.039	97	25.0	-.274	-.338	-.360	-.349
15	27.5	-.181	-.189	-.183	-.168	98	41.0	-.268	-.358	-.426	-.426
16	40.0	-.251	-.286	-.289	-.277	99	52.5	-.231	-.323	-.414	-.474
17	50.0	-.273	-.327	-.337	-.317	100	62.5	-.168	-.231	-.282	-.504
18	59.0	-.260	-.351	-.422	-.416	101	72.5	-.086	-.126	-.149	-.276
19	67.5	-.214	-.290	-.342	-.467	102	86.3	.007	-.009	-.021	-.063
20	77.5	-.159	-.217	-.252	-.321	103	94.6	--	--	--	--
21	88.0	-.036	-.060	-.080	-.127						
22	95.3	--	--	--							
C23	2.0	.295	.331	.342	.354	104	3.0	-.453	-.546	-.569	-.546
24	6.0	.061	.087	.101	.115	105	10.0	-.321	-.409	-.437	-.407
25	15.0	-.103	-.103	-.093	-.078	106	25.0	-.293	-.382	-.428	-.432
26	27.5	-.210	-.240	-.239	-.225	107	41.0	-.280	-.381	-.494	-.528
27	40.0	-.286	-.354	-.379	-.362	108	52.5	-.237	-.315	-.390	-.597
28	50.0	-.298	-.369	-.456	-.471	109	62.5	-.159	-.204	-.219	-.496
29	59.0	-.265	-.344	-.410	-.537	110	72.5	-.056	-.069	-.077	-.100
30	67.5	--	--	--	--	111	85.1	.054	-.038	.060	.057
31	77.5	-.098	-.120	-.121	-.204	112	94.6	.140	.053	.151	.149
32	88.0	.015	.018	.018	.028						
33	95.3	.091	.115	.103	.113						
D34	2.0	.246	.288	.302	.311	113	3.0	-.452	-.593	-.658	-.640
35	15.0	-.115	-.121	-.118	-.107	114	10.0	-.308	-.407	-.460	-.455
36	27.5	-.218	-.258	-.276	-.262	115	25.0	-.291	-.397	-.478	-.501
37	40.0	-.294	-.375	-.428	-.438	116	41.0	--	--	--	--
38	50.0	-.297	-.386	-.455	-.542	117	52.5	-.224	-.288	-.315	-.578
39	59.0	-.257	-.301	-.390	-.529	118	62.5	-.138	-.160	-.158	-.320
40	67.5	-.210	-.288	-.355	-.485	119	72.5	-.026	-.029	-.023	.018
41	77.5	-.106	-.057	-.063	-.081	120	87.4	.096	.109	.113	.127
42	87.5	.024	.029	.037	.068	121	94.2	.134	.150	.158	.168
43	94.2	.094	.110	.119	.135						
E44	2.0	.304	.372	.392	.396	122	3.0	-.406	-.602	-.705	-.747
45	6.0	.042	.091	.109	.116	123	10.0	-.314	-.420	-.505	-.530
46	15.0	-.124	-.110	-.102	-.098	124	25.0	-.275	-.360	-.431	-.566
47	27.5	-.231	-.250	-.261	-.262	125	41.0	-.229	-.296	-.327	-.545
48	40.0	-.310	-.366	-.402	-.434	126	52.5	-.164	-.191	-.199	-.298
49	50.0	-.317	-.384	-.434	-.542	127	62.5	-.081	-.103	-.104	-.031
50	59.0	-.291	-.346	-.385	-.492	128	72.5	.007	.021	.035	.073
51	67.5	-.238	-.290	-.287	-.395	129	78.0	.064	.091	.102	.131
52	77.5	-.179	-.139	-.058	-.052	130	85.3	.145	.171	.179	.207
53	88.5	.129	-.111	.113	.123	131	94.1	.179	.204	.211	.231
54	95.5	.100	.116	.120	.128						
F55	2.0	.261	.340	.371	.373	132	3.0	-.430	-.613	-.751	-.753
56	6.0	.035	.094	.114	.123	133	10.0	-.290	-.410	-.521	-.592
57	15.0	-.137	-.117	-.105	-.101	134	25.0	-.242	-.328	-.375	-.576
58	27.5	-.249	-.262	-.262	-.266	135	41.0	-.192	-.250	-.275	-.448
59	49.0	-.336	-.386	-.417	-.441	136	52.5	-.123	-.145	-.152	-.092
60	50.0	-.356	-.424	-.468	-.560	137	62.5	.012	.012	.017	.056
61	59.0	-.348	-.405	-.440	-.537	138	72.5	.163	.182	.187	.221
62	67.5	-.321	-.370	-.394	-.423	139	83.4	.283	.301	.301	.329
63	86.5	-.129	-.124	-.126	-.129	140	94.0	.188	.203	.212	.223
64	94.6	--	--	--	--						
G65	2.0	.239	.339	.371	.387	141	3.0	-.343	-.617	-.658	-.771
66	6.0	.004	.072	.101	.118	142	10.0	-.258	-.383	-.478	-.665
67	15.0	-.154	-.126	-.110	-.098	143	25.0	-.206	-.287	-.324	-.465
68	27.5	-.267	-.280	-.276	-.269	144	41.0	-.152	-.199	-.212	-.173
69	40.0	-.361	-.421	-.441	-.439	145	52.5	-.090	-.081	-.084	-.066
70	50.0	-.389	-.471	-.549	-.581	146	62.5	.076	.062	.040	.083
71	59.0	-.369	-.434	-.512	-.606	147	72.5	.191	.202	.207	.227
72	67.5	-.346	-.387	-.457	-.545	148	84.0	.314	.319	.309	.339
73	77.5	-.354	-.363	-.425	-.496	149	92.0	.203	.210	.227	.232
74	87.2	-.185	-.234	-.113	-.071						
75	96.8	.084	.058	.083	.073						
H76	2.0	.170	--	.302	.326	150	3.0	-.311	-.470	-.591	-.784
77	6.0	-.051	-.011	.012	.042	151	10.0	-.235	-.335	-.380	-.555
78	15.0	-.170	-.181	-.179	-.160	152	25.0	-.215	-.262	-.295	-.310
79	27.5	-.271	-.320	-.315	-.275	153	41.0	-.150	-.178	-.186	-.192
80	40.0	-.334	-.418	-.499	-.503	154	52.5	-.091	-.072	-.063	-.068
81	50.0	-.351	-.424	-.519	-.495	155	62.5	.058	.064	.069	.066
82	59.0	-.310	-.356	-.455	-.472	156	72.5	.178	.193	.195	.191
83	67.5	-.261	-.319	-.428	-.457	157	84.9	.120	.162	.183	.128
84	88.3	-.104	-.063	.023	-.006						
85	94.2	.024	.067	.108	.024						

NACA

TABLE 43

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = 10.0^\circ,\ \alpha = 0^\circ\right]$$

CONFIDENTIAL

		UPPER SURFACE								LOWER SURFACE					
		Mach Number								Mach Number					
Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96	Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	0.031	0.102	0.129	0.160	0.194		86	3.0	-0.071	-0.068	-0.056	-0.045	-0.020	
2	6.0	-.094	-.055	-.031	-.003	.034		87	10.0	--	--	--	--	--	
3	15.0	-.161	-.141	-.124	-.097	-.062		88	25.0	-.134	-.150	-.149	-.141	-.116	
4	27.5	-.203	-.205	-.194	-.171	-.135		89	41.0	--	--	--	--	--	
5	40.0	--	--	--	--	--		90	52.5	--	--	--	--	--	
6	50.0	--	--	--	--	--		91	62.5	--	--	--	--	--	
7	59.0	--	--	--	--	--		92	72.5	--	--	--	--	--	
8	67.5	--	--	--	--	--		93	84.0	--	--	--	--	--	
9	77.5	--	--	--	--	--		94	94.0	--	--	--	--	--	
10	87.6	--	--	--	--	--									
11	96.0	--	--	--	--	--									
B12	2.0	.006	.073	.102	.135	.172		95	3.0	-.096	-.114	-.111	-.105	-.080	
13	6.0	-.134	-.098	-.076	-.045	-.009		96	10.0	-.129	-.147	-.145	-.131	-.103	
14	15.0	-.221	-.213	-.201	-.170	-.136		97	25.0	-.177	-.218	-.229	-.232	-.209	
15	27.5	-.283	-.307	-.302	-.276	-.242		98	41.0	-.200	-.262	-.296	-.326	-.315	
16	40.0	-.330	-.386	-.393	-.381	-.346		99	52.5	-.179	-.246	-.294	-.356	-.360	
17	50.0	-.334	-.417	-.420	-.393	-.359		100	62.5	-.131	-.180	-.211	-.305	-.407	
18	59.0	-.316	-.455	-.525	-.482	-.425		101	72.5	-.060	-.091	-.106	-.149	-.334	
19	67.5	-.254	-.353	-.510	-.618	-.565		102	86.3	.028	.003	-.011	-.034	-.161	
20	77.5	-.190	-.250	-.309	-.449	-.489		103	94.5	--	--	--	--	--	
21	88.0	-.049	-.077	-.108	-.187	-.305									
22	95.3	--	--	--	--	--									
C23	2.0	-.014	.056	.087	.128	.161		104	3.0	-.094	-.135	-.141	--	-.120	
24	6.0	-.157	-.127	-.102	-.067	-.043		105	10.0	-.157	-.188	-.200	-.144	-.179	
25	15.0	-.254	-.264	-.250	-.220	-.184		106	25.0	-.189	-.248	-.275	-.205	-.270	
26	27.5	-.320	-.373	-.369	-.344	-.305		107	41.0	-.211	-.283	-.330	-.295	-.404	
27	40.0	-.371	-.474	-.490	-.466	-.434		108	52.5	-.186	-.249	-.291	-.409	-.478	
28	50.0	-.356	-.473	-.571	-.525	-.493		109	62.5	-.131	-.166	-.190	-.416	-.510	
29	59.0	-.317	-.427	-.560	-.597	-.567		110	72.5	-.026	-.044	-.050	-.238	-.284	
30	67.5	--	--	--	--	--		111	85.1	.067	.074	.078	-.059	.016	
31	77.5	-.111	-.139	-.140	-.513	-.520		112	94.6	.163	.175	.184	.076	.158	
32	88.0	.003	.004	.015	-.035	-.348									
33	95.3	.084	.012	.102	.118	.052									
D34	2.0	.073	-.026	.012	.055	.092		113	3.0	-.080	-.143	-.168	-.196	-.177	
35	15.0	-.274	-.298	-.289	-.255	-.219		114	10.0	-.114	-.170	-.195	-.219	-.198	
36	27.5	-.334	-.406	-.412	-.383	-.348		115	25.0	-.180	-.250	-.291	-.343	-.329	
37	40.0	-.384	-.507	-.576	-.538	-.493		116	41.0	--	--	--	--	--	
38	50.0	-.368	-.484	-.623	-.620	-.595		117	52.5	-.166	-.215	-.245	-.341	-.479	
39	59.0	-.303	-.396	-.545	-.554	-.622		118	62.5	-.114	-.164	-.202	-.205	-.449	
40	67.5	-.263	-.400	-.521	-.550	-.580		119	72.5	.000	.014	.027	.019	-.237	
41	77.5	-.110	-.074	-.055	-.325	-.496		120	87.4	.111	.131	.141	.135	.105	
42	87.5	.006	.022	.044	-.070	-.143		121	94.2	.145	.167	.173	.158	.125	
43	94.2	.084	.108	.117	.039	-.053									
E44	2.0	-.045	.052	.108	.162	.197	0.218	122	3.0	-.061	-.120	-.165	-.219	-.215	-0.158
45	6.0	-.207	-.162	-.123	-.079	-.044	-.015	123	10.0	-.117	-.174	-.216	-.270	-.258	-.204
46	15.0	-.296	-.301	-.287	-.254	-.220	-.183	124	25.0	-.157	-.218	-.256	-.338	-.370	-.330
47	27.5	-.358	-.408	-.416	-.390	-.352	-.311	125	41.0	-.157	-.206	-.237	-.306	-.440	-.440
48	40.0	-.409	-.507	-.568	-.542	-.497	-.447	126	52.5	-.107	-.145	-.174	-.247	-.381	-.466
49	50.0	-.397	-.493	-.587	-.672	-.625	-.568	127	62.5	-.094	-.101	-.113	-.069	-.270	-.426
50	59.0	-.353	-.432	-.527	-.617	-.602	-.615	128	72.5	.050	.072	.072	.059	.043	-.393
51	67.5	-.306	-.395	-.462	-.588	-.570	-.576	129	78.0	.101	.120	.128	.116	.106	-.296
52	77.5	-.094	-.094	-.068	-.122	-.206	-.315	130	85.3	.173	.204	.214	.201	.171	-.146
53	88.5	.112	.075	.105	-.006	-.094	-.204	131	94.1	.200	.231	.241	.209	.162	.004
54	95.5	.097	.076	.118	.034	-.061	-.146								
F55	2.0	-.107	.011	.071	.132	.167	.185	132	3.0	-.051	-.121	-.174	-.247	-.261	-.204
56	6.0	-.221	-.170	-.126	-.077	-.040	-.015	133	10.0	-.095	-.154	-.197	-.267	-.268	-.217
57	15.0	-.315	-.316	-.300	-.268	-.233	-.200	134	25.0	-.132	-.188	-.225	-.301	-.379	-.349
58	27.5	-.379	-.423	-.418	-.401	-.365	-.324	135	41.0	-.119	-.165	-.193	-.255	-.380	-.444
59	49.0	-.440	-.535	-.578	-.556	-.514	-.465	136	52.5	-.069	-.106	-.132	-.194	-.341	-.431
60	50.0	-.438	-.549	-.653	-.691	-.643	-.589	137	62.5	-.013	.027	.067	.073	-.003	-.395
61	59.0	-.415	-.492	-.560	-.707	-.674	-.642	138	72.5	.204	.227	.235	.230	.202	-.293
62	67.5	-.371	-.424	-.465	-.656	-.630	-.534	139	83.4	.317	.354	.364	.361	.325	.033
63	86.5	-.142	-.132	-.128	-.171	-.235	-.338	140	94.0	.188	.211	.214	.197	.180	.120
64	94.6	--	--	--	--	--	--								
G65	2.0	-.158	-.031	.044	.122	.176	.190	141	3.0	.025	-.039	-.087	-.169	-.230	-.192
66	6.0	-.274	-.217	-.166	-.106	-.058	-.036	142	10.0	-.063	-.124	-.166	-.245	-.300	-.265
67	15.0	-.336	-.341	-.314	-.274	-.234	-.204	143	25.0	-.098	-.146	-.178	-.247	-.376	-.409
68	27.5	-.399	-.454	-.442	-.413	-.375	-.340	144	41.0	-.080	-.109	-.132	-.189	-.292	-.437
69	40.0	-.465	-.580	-.590	-.560	-.517	-.475	145	52.5	-.026	-.054	-.079	-.140	-.192	-.410
70	50.0	-.470	-.616	-.721	-.637	-.530	-.555	146	62.5	.015	.080	.114	.105	.075	-.236
71	59.0	-.431	-.550	-.676	-.599	-.521	-.546	147	72.5	.225	.253	.257	.230	.205	-.193
72	67.5	-.394	-.502	-.646	-.583	-.495	-.534	148	84.0	.336	.371	.378	.350	.324	.109
73	77.5	-.382	-.473	-.420	-.483	-.382	-.482	149	92.0	.211	.240	.241	.184	.148	.126
74	87.2	-.251	-.116	-.046	-.207	-.252	-.363								
75	96.8	.072	.092	-.043	-.058	-.169	-.233								
H76	2.0	-.190	-.122	-.260	-.047	.120	.152	150	3.0	.018	-.040	-.090	-.176	-.257	-.268
77	6.0	-.297	-.303	-.368	-.194	-.130	-.094	151	10.0	-.075	-.121	-.163	-.233	-.267	-.272
78	15.0	-.319	-.377	-.434	-.327	-.276	-.238	152	25.0	-.120	-.163	-.199	-.279	-.393	-.456
79	27.5	-.377	-.476	-.620	-.355	-.287	-.241	153	41.0	-.101	-.121	-.140	-.197	-.279	-.485
80	40.0	-.415	-.539	-.601	-.496	-.438	-.397	154	52.5	-.044	-.061	-.085	-.150	-.228	-.437
81	50.0	-.413	-.508	-.574	-.469	-.429	-.389	155	62.5	-.017	.008	-.062	.053	.105	-.272
82	59.0	-.360	-.448	-.480	-.471	-.418	-.371	156	72.5	.205	.230	.232	.171	.201	-.178
83	67.5	-.311	-.423	.009	-.356	-.324	-.300	157	84.9	.129	.165	.140	.051	.031	-.040
84	88.3	-.107	-.017	.062	-.120	-.169	-.210								
85	94.2	.025	.081	.066	-.099	-.140	-.200								

NACA

TABLE 44

$$\left[\Lambda = 30^\circ,\ \delta_{a_n} = 10.0^\circ,\ \alpha = 2^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	−0.318	− −	−0.170	−0.105	−0.045	
2	6.0	−.317	− −	−.244	−.194	−.141	
3	15.0	−.297	− −	−.263	−.222	−.176	
4	27.5	−.295	− −	−.302	−.265	−.221	
5	40.0	− −	− −	− −	− −	− −	
6	50.0	− −	− −	− −	− −	− −	
7	59.0	− −	− −	− −	− −	− −	
8	67.5	− −	− −	− −	− −	− −	
9	77.5	− −	− −	− −	− −	− −	
10	87.5	− −	− −	.− −	− −	− −	
11	96.0	− −	− −	− −	− −	− −	
B12	2.0	−.375	−0.297	−.222	−.148	−.079	
13	6.0	−.375	−.355	−.306	−.252	−.195	
14	15.0	−.371	−.386	−.354	−.310	−.258	
15	27.5	−.384	−.441	−.423	−.383	−.334	
16	40.0	−.404	−.499	−.506	−.472	−.424	
17	50.0	−.395	−.509	−.497	−.476	−.440	
18	59.0	−.358	−.592	−.587	−.536	−.475	
19	67.5	−.287	−.418	−.695	−.696	−.645	
20	77.5	−.214	−.290	−.408	−.568	−.569	
21	88.0	−.066	−.104	−.155	−.291	−.412	
22	95.3	− −		− −	− −	− −	
C23	2.0	−.430	−.348	−.257	−.172	−.096	
24	6.0	−.414	−.402	−.346	−.282	−.221	
25	15.0	−.418	−.459	−.424	−.373	−.316	
26	27.5	−.434	−.525	−.506	−.467	−.413	
27	40.0	−.454	−.614	−.612	−.572	−.523	
28	50.0	−.421	−.618	−.645	−.629	−.581	
29	59.0	−.371	−.565	−.674	−.647	−.634	
30	67.5	− −	− −	− −	− −	− −	
31	77.5	−.142	−.171	−.297	−.574	−.577	
32	88.0	−.015	−.013	−.005	−.320	−.500	
33	95.3	.067	.071	.072	.079	−.135	
D34	2.0	−.528	−.440	−.337	−.232	−.145	
35	15.0	−.448	−.518	−.477	−.417	−.357	
36	27.5	−.455	−.583	−.571	−.524	−.467	
37	40.0	−.473	−.685	−.694	−.641	−.583	
38	50.0	−.437	−.615	−.659	−.659	−.673	
39	59.0	−.371	−.551	−.618	−.619	−.655	
40	67.5	−.315	−.345	−.588	−.626	−.651	
41	77.5	−.125	−.112	−.262	−.396	−.595	
42	87.5	−.005	.013	−.047	−.202	−.348	
43	94.2	.083	.103	.048	−.114	−.172	
E44	2.0	−.561	−.422	−.300	−.202	−.090	−0.028
45	6.0	−.512	−.491	−.416	−.346	−.259	−.202
46	15.0	−.481	−.535	−.489	−.433	−.364	−.311
47	27.5	−.482	−.594	−.582	−.518	−.482	−.431
48	40.0	−.501	−.670	−.701	−.648	−.592	−.537
49	50.0	−.466	−.617	−.701	−.610	−.600	−.614
50	59.0	−.417	−.572	−.676	−.603	−.587	−.583
51	67.5	−.338	−.40c	−.601	−.506	−.541	−.575
52	77.5	−.141	−.115	−.111	−.266	−.288	−.341
53	88.5	.081	.098	.036	−.214	−.299	−.379
54	95.5	.088	.109	.069	−.163	−.263	−.334
F55	2.0	−.637	−.486	−.353	−.242	−.121	−.052
56	6.0	−.540	−.511	−.433	−.353	−.260	−.200
57	15.0	−.507	−.565	−.514	−.455	−.382	−.327
58	27.5	−.508	−.615	−.606	−.566	−.500	−.447
59	49.0	−.532	−.702	−.727	−.661	−.616	−.559
60	50.0	−.508	−.674	−.786	−.747	−.722	−.665
61	59.0	−.468	−.617	−.741	−.696	−.709	−.715
62	67.5	−.403	−.527	−.624	−.475	−.589	−.674
63	86.5	−.141	−.113	−.130	−.246	−.305	−.398
64	94.6	− −	− −	− −	− −	− −	− −
G65	2.0	−.734	−.568	−.413	−.275	−.128	−.040
66	6.0	−.612	−.599	−.505	−.419	−.304	−.228
67	15.0	−.532	−.590	−.538	−.474	−.393	−.331
68	27.5	−.530	−.645	−.630	−.589	−.517	−.460
69	40.0	−.561	−.741	−.718	−.621	−.609	−.574
70	50.0	−.545	−.729	−.674	−.592	−.589	−.639
71	59.0	−.492	−.680	−.659	−.582	−.589	−.620
72	67.5	−.455	−.661	−.615	−.489	−.538	−.606
73	77.5	−.440	−.350	−.348	−.375	−.423	−.517
74	87.2	−.147	−.049	−.133	−.277	−.336	−.437
75	96.8	.087	.122	−.005	−.189	−.264	−.360
H76	2.0	−.693	−.657	−.494	−.352	−.201	−.078
77	6.0	−.590	−.703	−.610	−.505	−.383	−.280
78	15.0	−.481	−.610	−.608	−.543	−.454	−.373
79	27.5	−.478	−.558	−.546	−.420	−.349	−.308
80	40.0	−.489	−.639	−.617	−.544	−.482	−.466
81	50.0	−.471	−.585	−.605	−.536	−.473	−.466
82	59.0	−.413	−.544	−.502	−.406	−.372	−.445
83	67.5	−.369	−.419	−.275	−.306	−.309	−.391
84	88.3	−.075	−.027	−.061	−.159	−.212	−.301
85	94.2	.024	.069	−.035	−.141	−.202	−.303

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.184	− −	0.191	0.187	0.195	
87	10.0	− −	− −	− −	− −	− −	
88	25.0	−.042	− −	−.044	−.045	−.032	
89	41.0	− −	− −	− −	− −	− −	
90	52.5	− −	− −	− −	− −	− −	
91	62.5	− −	− −	− −	− −	− −	
92	72.5	− −	− −	− −	− −	− −	
93	84.0	− −	− −	− −	− −	− −	
94	94.0	− −	− −	− −	− −	− −	
95	3.0	.173	.171	.157	.145	.148	
96	10.0	.026	.023	.015	.011	.021	
97	25.0	−.079	−.097	−.112	−.121	−.114	
98	41.0	−.128	−.164	−.192	−.221	−.225	
99	52.5	−.122	−.167	−.204	−.262	−.277	
100	62.5	−.088	−.124	−.153	−.199	−.317	
101	72.5	−.027	−.046	−.066	−.102	−.220	
102	86.3	.050	.029	.012	−.017	−.101	
103	94.5	− −	− −		− −	− −	
104	3.0	.190	.171	.146	.123	.120	
105	10.0	.028	.011	−.008	−.025	−.023	
106	25.0	−.083	−.116	−.142	−.169	−.171	
107	41.0	−.138	−.184	−.221	−.278	−.313	
108	52.5	−.129	−.173	−.207	−.267	−.384	
109	62.5	−.085	−.116	−.146	−.197	−.372	
110	72.5	−.005	−.017	−.030	−.057	−.162	
111	85.1	.081	.089	.087	.073	.030	
112	94.6	.163	.177	.179	.179	.142	
113	3.0	.212	.177	.139	.097	.085	
114	10.0	.057	.029	.002	−.030	−.043	
115	25.0	−.072	−.112	−.147	−.195	−.222	
116	41.0	− −	− −	− −	− −	− −	
117	52.5	−.109	−.145	−.179	−.231	−.389	
118	62.5	−.065	−.093	−.122	−.178	−.345	
119	72.5	.014	.022	.009	.002	−.073	
120	87.4	.129	.143	.135	.109	.096	
121	94.2	.156	.175	.157	.106	.081	
122	3.0	.274	.213	.161	.121	.075	0.076
123	10.0	.053	.030	−.009	−.047	−.082	−.074
124	25.0	−.041	−.082	−.115	−.166	−.222	−.218
125	41.0	−.074	−.112	−.146	−.209	−.304	−.368
126	52.5	−.041	−.069	−.097	−.153	−.235	−.368
127	62.5	−.009	−.027	−.053	−.109	−.190	−.331
128	72.5	.031	.033	.041	−.014	.043	−.243
129	78.0	.134	.162	.153	.117	.093	−.070
130	85.3	.195	.225	.220	.180	.162	.076
131	94.1	.208	.243	.228	.160	.133	.092
132	3.0	.260	.213	.162	.113	.051	.040
133	10.0	.093	.053	.016	−.031	−.084	−.092
134	25.0	−.014	−.054	−.090	−.146	−.213	−.228
135	41.0	−.038	−.073	−.109	−.173	−.254	−.368
136	52.5	−.003	−.026	−.056	−.114	−.185	−.320
137	62.5	.048	.020	−.014	−.076	−.094	−.289
138	72.5	.239	.262	.255	.236	.228	−.006
139	83.4	.329	.371	.366	.342	.339	.250
140	94.0	.249	.222	.198	.123	.110	.122
I41	3.0	.317	.279	.227	.169	.093	.047
142	10.0	.120	.080	.038	−.016	−.079	−.124
143	25.0	.015	−.017	−.059	−.116	−.178	−.271
144	41.0	−.003	−.027	−.068	−.126	−.177	−.301
145	52.5	.024	.036	−.012	−.067	−.117	−.258
146	62.5	.064	.052	.027	−.027	−.069	−.167
147	72.5	.268	.287	.264	.238	.225	.083
148	84.0	.347	.385	.357	.331	.328	.214
149	92.0	.328	.253	.197	.139	.126	.101
150	3.0	.288	.255	.197	.138	.074	.005
151	10.0	.093	.050	.004	−.048	−.092	−.129
152	25.0	−.035	−.070	−.121	−.187	−.247	−.332
153	41.0	−.048	−.070	−.113	−.170	−.230	−.378
154	52.5	−.002	−.011	−.051	−.107	−.181	−.353
155	62.5	.030	−.002	−.048	−.112	−.128	−.137
156	72.5	.231	.242	.228	.197	.167	.008
157	84.9	.124	.155	.080	.009	−.034	−.067

NACA

TABLE 45

$$\left[\Lambda \doteq 30^\circ,\ \delta_{e_n} = 10.0^\circ,\ \alpha = 4^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-0.735	-0.652	-0.535	-0.440	-0.345	
2	6.0	-.567	-.552	-.485	-.421	-.350	
3	15.0	-.430	-.446	-.404	-.358	-.309	
4	27.5	-.392	-.442	-.404	-.362	-.311	
5	40.0	--	--	--	--	--	
6	50.0	--	--	--	--	--	
7	59.0	--	--	--	--	--	
8	67.5	--	--	--	--	--	
9	77.5	--	--	--	--	--	
10	87.5	--	--	--	--	--	
11	96.0	--	--	--	--	--	
B12	2.0	-.846	-.778	-.629	-.515	-.403	
13	6.0	-.650	-.662	-.587	-.520	-.440	
14	15.0	-.518	-.564	-.510	-.455	-.391	
15	27.5	-.483	-.578	-.544	-.493	-.437	
16	40.0	-.477	-.617	-.612	-.576	-.517	
17	50.0	-.444	-.587	-.602	-.577	-.528	
18	59.0	-.400	-.684	-.648	-.591	-.524	
19	67.5	-.317	-.507	-.795	-.767	-.703	
20	77.5	-.236	-.333	-.514	-.674	-.640	
21	88.0	-.082	-.137	-.224	-.389	-.495	
22	95.3	--	--	--	--	--	
C23	2.0	-.942	-.833	-.651	-.524	-.406	
24	6.0	-.716	-.762	-.669	-.585	-.491	
25	15.0	-.574	-.653	-.587	-.522	-.451	
26	27.5	-.537	-.684	-.648	-.594	-.530	
27	40.0	-.528	-.747	-.736	-.676	-.605	
28	50.0	-.477	-.778	-.761	-.737	-.668	
29	59.0	-.400	-.723	-.754	-.745	-.729	
30	67.5	--	--	--	--	--	
31	77.5	-.162	-.176	-.517	-.679	-.653	
32	88.0	-.030	-.028	-.051	-.464	-.604	
33	95.3	.047	.007	.051	.007	-.224	
D34	2.0	-1.065	-.933	-.713	-.562	-.427	
35	15.0	-.609	-.750	-.666	-.591	-.508	
36	27.5	-.560	-.772	-.741	-.679	-.604	
37	40.0	-.548	-.853	-.803	-.746	-.683	
38	50.0	-.487	-.843	-.749	-.701	-.748	
39	59.0	-.394	-.690	-.693	-.666	-.697	
40	67.5	-.277	-.286	-.603	-.612	-.711	
41	77.5	-.145	-.128	-.380	-.479	-.662	
42	87.5	-.015	.006	-.181	-.368	-.522	
43	94.2	.057	.092	-.063	-.292	-.385	
E44	2.0	-1.175	-1.013	-.777	-.588	-.460	-0.335
45	6.0	-.908	-1.030	-.869	-.717	-.611	-.497
46	15.0	-.644	-.820	-.768	-.678	-.597	-.502
47	27.5	-.584	-.807	-.765	-.702	-.648	-.573
48	40.0	-.568	-.867	-.838	-.744	-.736	-.665
49	50.0	-.502	-.855	-.810	-.715	-.757	-.718
50	59.0	-.421	-.510	-.766	-.678	-.729	-.683
51	67.5	-.310	-.305	-.559	-.545	-.680	-.670
52	77.5	-.152	-.105	-.178	-.316	-.387	-.542
53	88.5	.007	.035	-.110	-.297	-.345	-.495
54	95.5	.058	.024	-.061	-.255	-.322	-.437
F55	2.0	-1.255	-1.063	-.819	-.630	-.500	-.367
56	6.0	-.845	-1.079	-.892	-.724	-.609	-.485
57	15.0	-.670	-.875	-.824	-.701	--	-.507
58	27.5	-.611	-.833	-.792	-.727	-.665	-.582
59	49.0	-.590	-.897	-.881	-.781	-.747	-.677
60	50.0	-.538	-.882	-.863	-.760	-.731	-.718
61	59.0	-.481	-.585	-.842	-.744	-.733	-.696
62	67.5	-.386	-.384	-.495	-.586	-.691	-.678
63	86.5	-.104	-.093	-.227	-.327	-.493	-.604
64	94.6	--	--	--	--	--	--
G65	2.0	-1.467	-1.141	-.844	-.642	-.501	-.343
66	6.0	-.825	-1.152	-.936	-.755	-.626	-.480
67	15.0	-.686	-1.035	-.901	--	-.648	-.525
68	27.5	-.618	-.918	-.894	-.788	-.686	-.605
69	40.0	-.607	-.925	-.824	-.772	-.654	-.641
70	50.0	-.550	-.872	-.815	-.750	-.636	-.642
71	59.0	-.455	-.703	-.681	-.697	-.562	-.641
72	67.5	-.372	-.333	-.535	-.597	-.491	-.623
73	77.5	-.297	-.326	-.420	-.508	-.432	-.567
74	87.2	-.078	-.062	-.248	-.323	-.388	-.488
75	96.8	-.019	.032	-.047	-.177	-.336	-.448
H76	2.0	-1.229	-1.203	-.915	-.689	-.541	-.374
77	6.0	-.855	-1.197	-.969	-.790	-.665	-.519
78	15.0	-.587	-1.063	-.960	-.804	-.706	-.571
79	27.5	-.535	-1.016	-.542	-.450	-.397	-.354
80	40.0	-.511	-.550	-.785	-.653	-.623	-.582
81	50.0	-.462	-.400	-.543	-.488	-.521	-.572
82	59.0	-.369	-.356	-.370	-.387	-.429	-.523
83	67.5	-.264	-.263	-.270	-.338	-.386	-.471
84	88.3	-.058	-.043	-.131	-.231	-.301	-.419
85	94.2	-.041	-.021	-.109	-.212	-.288	-.420

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.353	0.391	0.376	0.372	0.370	
87	10.0	--	--	--	--	--	
88	25.0	.046	.056	.050	.048	.055	
89	41.0	--	--	--	--	--	
90	52.5	--	--	--	--	--	
91	62.5	--	--	--	--	--	
92	72.5	--	--	--	--	--	
93	84.0	--	--	--	--	--	
94	94.0	--	--	--	--	--	
95	3.0	.381	.370	.348	.337	.330	
96	10.0	.163	.161	.146	.141	.142	
97	25.0	.011	.004	-.013	-.021	-.022	
98	41.0	-.060	-.084	-.109	-.132	-.143	
99	52.5	-.070	-.100	-.136	-.174	-.211	
100	62.5	-.047	-.072	-.105	-.142	-.202	
101	72.5	.003	-.017	-.043	-.077	-.131	
102	86.3	.070	.051	.021	-.011	-.056	
103	94.5	--	--	--	--	--	
104	3.0	.401	.375	.342	.321	.306	
105	10.0	.172	.159	.133	.118	.111	
106	25.0	.011	-.009	-.038	-.058	-.071	
107	41.0	-.069	-.101	-.139	-.181	-.217	
108	52.5	-.078	-.110	-.148	-.199	-.278	
109	62.5	-.046	-.069	-.103	-.149	-.236	
110	72.5	.020	.012	-.013	-.051	-.108	
111	85.1	.089	.098	.089	.060	.026	
112	94.6	.160	.172	.170	.142	.107	
113	3.0	.421	.384	.338	.304	.274	
114	10.0	.200	.178	.144	.118	.095	
115	25.0	.023	-.003	-.040	-.077	-.110	
116	41.0	--	--	--	--	--	
117	52.5	-.060	-.086	-.130	-.188	-.278	
118	62.5	-.029	-.044	-.079	-.131	-.215	
119	72.5	.041	.046	.015	-.048	-.066	
120	87.4	.131	.150	.132	.085	.065	
121	94.2	.143	.176	.130	.049	.031	
122	3.0	.447	.413	.375	.332	.307	0.282
123	10.0	.093	.183	.069	.119	.098	.085
124	25.0	.053	.031	-.004	-.049	-.079	-.105
125	41.0	-.013	-.033	-.072	-.131	-.179	-.257
126	52.5	-.002	-.010	-.048	-.105	-.146	-.233
127	62.5	.021	.021	-.014	-.070	-.106	-.179
128	72.5	.065	.062	.023	-.032	-.071	-.056
129	78.0	.085	.173	.141	.048	.061	.119
130	83.3	.202	.242	.215	.183	.177	.171
131	94.1	.196	.244	.193	.135	.128	.126
132	3.0	.458	.424	.379	.327	.294	.256
133	10.0	.230	.206	.171	.126	.098	.067
134	25.0	.074	.054	.017	-.035	-.078	-.111
135	41.0	.018	.000	-.041	-.103	-.150	-.240
136	52.5	.028	.024	-.014	-.073	-.111	-.184
137	62.5	.084	.081	.045	-.013	-.056	-.126
138	72.5	.232	.262	.246	.220	.230	.237
139	83.4	.319	.370	.359	.336	.339	.345
140	94.0	.157	.206	.173	.104	.098	.108
141	3.0	.493	.464	.420	.364	.325	.271
142	10.0	.246	.225	.184	.133	.098	.050
143	25.0	.090	.080	.037	-.015	-.053	-.104
144	41.0	.035	.032	-.011	-.070	-.112	-.159
145	52.5	.055	.069	.029	-.024	-.059	-.098
146	62.5	.104	.096	.081	.024	-.020	-.043
147	72.5	.164	.311	.287	.253	.235	.223
148	84.0	.322	.383	.359	.335	.319	.326
149	92.0	.161	.235	.189	.141	.105	.115
150	3.0	.447	.417	.371	-.318	-.283	.240
151	10.0	.183	.164	.121	.075	.048	.024
152	25.0	.022	-.003	-.054	-.110	-.153	-.176
153	41.0	-.022	-.038	-.093	-.157	-.220	-.293
154	52.5	.004	.008	-.043	-.101	-.158	-.222
155	62.5	.051	.037	-.018	-.075	-.132	-.189
156	72.5	.169	.236	.196	.149	.111	-.012
157	84.9	.060	.115	.035	-.045	-.082	-.088

NACA

TABLE 46

$$\left[\Lambda = 30°,\ \delta_{a_n} = 10.0°,\ \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	-1.944	-1.380	-1.133	-0.973	-0.806	
2	6.0	-.931	-1.227	-1.012	-.889	-.760	
3	15.0	-.663	-.691	-.633	-.580	-.498	
4	27.5	-.546	-.632	-.580	-.535	-.470	
5	40.0	--	--	--	--	--	
6	50.0	--	--	--	--	--	
7	59.0	--	--	--	--	--	
8	67.5	--	--	--	--	--	
9	77.5	--	--	--	--	--	
10	87.5	--	--	--	--	--	
11	96.0	--	--	--	--	--	
B12	2.0	-2.004	-1.423	-1.159	-.991	-.820	
13	6.0	-1.135	-1.304	-1.132	-.993	-.850	
14	15.0	-.753	-1.092	-.982	-.855	-.729	
15	27.5	-.639	-.748	-.699	-.658	-.587	
16	40.0	-.581	-.800	-.762	-.697	-.623	
17	50.0	-.514	-.718	-.745	-.705	-.643	
18	59.0	-.455	-.781	-.760	-.693	-.619	
19	67.5	-.368	-.598	-.927	-.866	-.788	
20	77.5	-.274	-.402	-.682	-.811	-.740	
21	88.0	-.105	-.183	-.329	-.564	-.629	
22	95.3	.011	--	--	--	--	
C23	2.0	-2.110	-1.434	-1.155	-.974	-.786	
24	6.0	-1.367	-1.399	-1.160	-1.005	-.855	
25	15.0	-.835	-1.238	-1.071	-.959	-.833	
26	27.5	-.692	-.833	-.995	-.884	-.767	
27	40.0	-.623	-.922	-.833	-.750	-.717	
28	50.0	-.533	-.951	-.917	-.837	-.756	
29	59.0	-.433	-.723	-.978	-.913	-.837	
30	67.5	--	--	--	--	--	
31	77.5	-.175	-.202	-.352	-.686	-.850	
32	88.0	-.057	-.112	-.300	-.383	-.443	
33	95.3	.011	-.073	-.189	-.240	-.314	
D34	2.0	-1.890	-1.465	-1.171	-.979	-.791	
35	15.0	-.971	-1.340	-1.134	-.994	-.857	
36	27.5	-.700	-1.255	-1.128	-1.013	-.891	
37	40.0	-.624	-1.144	-1.079	-.975	-.923	
38	50.0	-.528	-1.035	-1.057	-.959	-.905	
39	59.0	-.410	-.451	-.646	-.864	-.841	
40	67.5	-.287	-.239	-.328	-.824	-.880	
41	77.5	-.152	-.125	-.271	-.495	-.873	
42	87.5	-.042	-.048	-.270	-.346	-.609	
43	94.2	.008	-.016	-.260	-.342	-.397	
E44	2.0	-1.840	-1.482	-1.198	-.979	-.814	-0.643
45	6.0	-1.706	-1.441	-1.198	-1.032	-.884	-.729
46	15.0	-1.119	-1.342	-1.137	-.984	-.873	-.742
47	27.5	-.723	-1.253	-1.063	-.947	-.895	-.787
48	40.0	-.621	-1.165	-.962	-.902	-.874	-.838
49	50.0	-.522	-.771	-.688	-.725	-.856	-.859
50	59.0	-.417	-.590	-.593	-.623	-.803	-.819
51	67.5	-.309	-.428	-.535	-.563	-.721	-.806
52	77.5	-.165	-.182	-.385	-.429	-.534	-.668
53	88.5	-.035	-.019	-.372	-.472	-.586	-.714
54	95.5	-.004	-.051	-.322	-.445	-.561	-.650
F55	2.0	-1.742	-1.527	-1.246	-1.018	-.838	-.645
56	6.0	-1.696	-1.463	-1.206	-1.031	-.884	-.728
57	15.0	-1.223	-1.345	-1.124	-.993	-.880	-.742
58	27.5	-.776	-1.253	-1.051	-.926	-.887	-.790
59	49.0	-.631	-1.022	-.811	-.876	-.855	-.845
60	50.0	-.548	-.731	-.626	-.690	-.831	-.882
61	59.0	-.469	-.562	-.526	-.567	-.757	-.856
62	67.5	-.370	-.435	-.474	-.512	-.658	-.816
63	86.5	-.126	-.248	-.406	-.455	-.567	-.810
64	94.6	--	--	--	--	--	--
G65	2.0	-1.454	-1.564	-1.277	-1.044	-.849	-.622
66	6.0	-1.425	-1.484	-1.240	-1.056	-.897	-.725
67	15.0	-1.240	-1.345	-1.157	-1.001	-.887	-.743
68	27.5	-.920	-1.130	-1.070	-.931	-.837	-.795
69	40.0	-.668	-.755	-.952	-.899	-.815	-.842
70	50.0	-.537	-.614	-.774	-.795	-.748	-.879
71	59.0	-.433	-.515	-.661	-.716	-.662	-.905
72	67.5	-.347	-.432	-.440	-.625	-.618	-.913
73	77.5	-.264	-.334	-.336	-.448	-.566	-.894
74	87.2	-.135	-.242	-.284	-.352	-.486	-.794
75	96.8	-.073	-.190	-.220	-.280	-.427	-.731
H76	2.0	-1.188	-1.002	-1.049	-1.012	-.871	-.657
77	6.0	-1.121	-.883	-1.006	-.965	-.913	-.735
78	15.0	-.916	-.799	-.861	-.882	-.877	-.757
79	27.5	-.688	-.476	-.436	-.425	-.482	-.465
80	40.0	-.520	-.602	-.588	-.549	-.676	-.857
81	50.0	-.417	-.522	-.534	-.496	-.556	-.889
82	59.0	-.335	-.453	-.483	-.461	-.505	-.909
83	67.5	-.272	-.394	-.425	-.423	-.471	-.864
84	88.3	-.158	-.277	-.324	-.365	-.425	-1.008
85	94.2	-.139	-.255	-.301	-.355	-.421	-.882

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	0.595	0.587	0.573	0.572	0.568	
87	10.0	--	--	--	--	--	
88	25.0	.170	.176	.170	.171	.174	
89	41.0	--	--	--	--	--	
90	52.5	--	--	--	--	--	
91	62.5	--	--	--	--	--	
92	72.5	--	--	--	--	--	
93	84.0	--	--	--	--	--	
94	94.0	--	--	--	--	--	
95	3.0	.585	.555	.536	.529	.520	
96	10.0	.332	.320	.304	.301	.298	
97	25.0	.139	.128	.111	.106	.102	
98	41.0	.034	.015	-.008	-.021	-.031	
99	52.5	.008	-.016	-.049	-.072	-.096	
100	62.5	.013	-.007	-.043	-.067	-.094	
101	72.5	.053	.035	-.001	-.026	-.050	
102	86.3	.104	.091	.053	.018	-.005	
103	94.5	--	--	--	--	--	
104	3.0	.598	.555	.526	.512	.496	
105	10.0	.345	.316	.290	.279	.268	
106	25.0	.139	.114	.087	.073	.062	
107	41.0	.027	-.001	-.041	-.065	-.088	
108	52.5	-.005	-.037	-.079	-.113	-.148	
109	62.5	.008	-.017	-.058	-.096	-.132	
110	72.5	.056	.041	.002	-.033	-.062	
111	85.1	.101	.107	.065	.035	.020	
112	94.6	.149	.147	.034	.059	.048	
113	3.0	.610	.556	.518	.495	.469	
114	10.0	.368	.328	.295	.274	.254	
115	25.0	.150	.117	.078	.054	.030	
116	41.0	--	--	--	--	--	
117	52.5	.008	-.025	-.081	-.126	-.175	
118	62.5	.021	-.005	-.061	-.107	-.148	
119	72.5	.071	.062	.014	-.018	-.051	
120	87.4	.136	.153	.082	.054	.038	
121	94.2	.130	.130	.041	.004	-.007	
122	3.0	.621	.578	.540	.507	.481	0.445
123	10.0	.097	.338	.295	.257	.238	.216
124	25.0	.168	.143	.104	.069	.043	.016
125	41.0	.068	.046	-.001	-.047	-.083	-.121
126	52.5	.054	.041	-.012	-.061	-.096	-.123
127	62.5	.057	.046	-.011	-.061	-.092	-.114
128	72.5	.097	.112	.048	.002	-.026	-.048
129	78.0	.125	.161	.097	.056	.034	.046
130	85.3	.177	.216	.148	.124	.138	.158
131	94.1	.166	.218	.106	.077	.093	.119
132	3.0	.625	.581	.537	.500	.470	.425
133	10.0	.384	.349	.305	.271	.244	.207
134	25.0	.185	.158	.113	.076	.048	.013
135	41.0	.094	.069	.014	-.030	-.069	-.113
136	52.5	.081	.062	.003	-.041	-.073	-.106
137	62.5	.123	.117	.062	.021	-.005	-.036
138	72.5	.240	.244	.200	.190	.191	.208
139	83.4	.322	.344	.309	.307	.320	.335
140	94.0	.073	.147	.059	.049	.069	.097
141	3.0	.629	.591	.548	.512	.482	.432
142	10.0	.381	.342	.298	.264	.233	.190
143	25.0	.187	.157	.112	.077	.048	.014
144	41.0	.099	.066	.017	-.022	-.052	-.081
145	52.5	.099	.067	.023	-.010	-.036	-.051
146	62.5	.141	.115	.075	.039	.008	-.011
147	72.5	.165	.175	.157	.138	.170	.180
148	84.0	.328	.326	.313	.307	.310	.320
149	92.0	.154	.128	.096	.084	.088	.106
150	3.0	.551	.520	.482	.450	.406	.383
151	10.0	.280	.253	.214	.182	.159	.132
152	25.0	.084	.042	-.001	-.042	-.074	-.097
153	41.0	.011	-.042	-.086	-.139	-.190	-.236
154	52.5	.015	-.032	-.067	-.114	-.155	-.193
155	62.5	.066	.022	-.011	-.053	-.096	-.146
156	72.5	.084	.129	.128	.107	.100	.065
157	84.9	-.002	-.068	-.089	-.127	-.135	-.111

NACA

TABLE 47

$$\left[\Lambda = 45^\circ,\ \delta_{a_n} = -9.4^\circ,\ \alpha = -2^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
A 1	2.0	0.226	0.248	0.255	0.267	0.284
2	6.0	.096	.110	.120	.134	.154
3	15.0	.008	.020	.031	.045	.066
4	27.5	-.019	-.008	.003	.018	.040
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	--	--	--	--	--
8	67.5	--	--	--	--	--
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	-.029	-.025	-.024	-.014	-.084
15	27.5	-.097	-.099	-.098	-.087	-.066
16	40.0	-.141	-.153	-.163	-.158	-.137
17	50.0	-.152	-.168	-.189	-.191	-.178
18	59.0	-.119	-.136	-.152	-.150	-.134
19	67.5	--	--	--	--	--
20	77.5	--	--	--	--	--
21	88.0	--	--	--	--	--
22	95.3	--	--	--	--	--
C23	2.0	.231	.232	.225	.228	.236
24	6.0	.067	.066	.059	.064	.075
25	15.0	-.048	-.057	-.068	-.064	-.050
26	27.5	-.121	-.140	-.155	-.154	-.141
27	40.0	-.174	-.198	-.230	-.234	-.219
28	50.0	-.177	-.199	-.257	-.297	-.277
29	59.0	-.178	-.215	-.265	-.298	-.299
30	67.5	-.141	-.167	-.213	-.250	-.271
31	77.5	-.101	-.125	-.158	-.198	-.253
32	88.0	-.033	-.053	-.084	-.111	-.181
33	95.3	.033	.023	-.026	-.064	-.124
D34	2.0	.215	.201	.186	.182	.180
35	15.0	.028	-.068	-.092	-.103	-.101
36	27.5	-.121	-.145	-.180	-.203	-.200
37	40.0	-.174	-.209	-.252	-.293	-.313
38	50.0	-.183	-.215	-.259	-.309	-.365
39	59.0	-.135	-.151	-.204	-.275	-.373
40	67.5	-.127	-.135	-.165	-.175	-.319
41	77.5	-.065	-.083	-.098	-.098	-.187
42	87.5	.001	-.004	-.013	-.010	-.070
43	94.2	.051	.047	.043	.048	.017
E44	2.0	.268	.251	.241	.233	.216
45	6.0	.086	.061	.048	.037	.019
46	15.0	-.032	-.063	-.084	-.100	-.126
47	27.5	-.096	-.135	-.163	-.181	-.224
48	40.0	-.141	-.184	-.220	-.237	-.312
49	50.0	-.139	-.179	-.212	-.226	-.311
50	59.0	-.118	-.149	-.174	-.186	-.229
51	67.5	-.081	-.084	-.105	-.108	-.101
52	77.5	.004	-.017	-.019	-.014	.009
53	88.5	.172	.161	.155	.157	.182
54	95.5	.099	.101	.104	.110	.129
F55	2.0	.266	.244	.235	.232	.201
56	6.0	.104	.078	.064	.059	.027
57	15.0	-.015	-.046	-.070	-.079	-.122
58	27.5	-.075	-.112	-.139	-.153	-.201
59	49.0	-.111	-.152	-.182	-.200	-.249
60	50.0	-.095	-.129	-.153	-.156	-.178
61	59.0	-.050	-.073	-.084	-.081	-.065
62	67.5	-.046	.017	.014	.017	.039
63	86.5	--	--	--	--	--
64	94.6	--	--	--	--	--
G65	2.0	.305	.289	.280	.278	.273
66	6.0	.137	.118	.107	.105	.103
67	15.0	.023	.001	-.012	-.017	-.018
68	27.5	-.039	-.062	-.077	-.081	-.080
69	40.0	-.072	-.098	-.113	-.118	-.116
70	50.0	-.065	-.088	-.102	-.105	-.103
71	59.0	-.022	-.047	-.061	-.063	-.054
72	67.5	-.002	-.004	.018	.022	.033
73	77.5	.169	.165	.169	.174	.175
74	87.2	--	--	--	--	--
75	96.8	.090	.088	.083	.089	.098
H76	2.0	.218	.201	.194	.194	.199
77	6.0	.059	.038	.024	.020	.021
78	15.0	-.026	-.051	-.070	-.077	-.080
79	27.5	-.079	-.105	-.124	-.133	-.137
80	40.0	-.106	-.132	-.150	-.161	-.170
81	50.0	-.096	-.114	-.123	-.122	-.130
82	59.0	-.056	-.077	-.087	-.090	-.097
83	67.5	-.032	-.013	-.015	-.003	-.018
84	88.3	.106	.115	.130	.144	.162
85	94.2	.095	.101	.116	.129	.146

LOWER SURFACE

Tube	Percent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
86	3.0	-0.303	-0.292	-0.261	-0.236	-0.191
87	10.0	-.105	-.096	-.078	-.060	-.035
88	25.0	-.158	-.164	-.156	-.138	-.105
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	--	--	--	--	--
92	72.5	--	--	--	--	--
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	-.366	-.386	-.353	-.327	-.282
96	10.0	-.243	-.246	-.201	-.166	-.149
97	25.0	-.205	-.229	-.236	-.231	-.200
98	41.0	-.205	-.238	-.265	-.257	-.231
99	52.5	-.191	-.235	-.290	-.290	-.267
100	62.5	--	--	--	--	--
101	72.5	--	--	--	--	--
102	86.3	--	--	--	--	--
103	94.5	--	--	--	--	--
104	3.0	-.409	-.437	-.431	-.412	-.361
105	10.0	-.263	-.294	-.311	-.297	-.268
106	25.0	-.228	-.266	-.300	-.303	-.276
107	41.0	-.221	-.265	-.334	-.359	-.333
108	52.5	-.195	-.239	-.304	-.378	-.365
109	62.5	-.151	-.186	-.234	-.339	-.361
110	72.5	-.091	-.118	-.151	-.231	-.312
111	85.1	-.020	-.032	-.086	-.086	-.186
112	94.6	.034	.025	.009	-.011	-.088
113	3.0	-.424	-.479	-.512	-.507	-.449
114	10.0	-.256	-.280	-.314	-.355	-.323
115	25.0	-.233	-.274	-.310	-.360	-.344
116	41.0	-.220	-.259	-.307	-.425	-.430
117	52.5	-.185	-.217	-.249	-.326	-.448
118	62.5	-.128	-.149	-.164	-.170	-.386
119	72.5	-.056	-.066	-.075	-.068	-.173
120	87.4	.033	.036	.026	.033	.012
121	94.2	.053	.054	.050	.060	.019
122	3.0	-.403	-.425	-.462	-.494	-.470
123	10.0	-.274	-.299	-.308	-.347	-.350
124	25.0	-.228	-.256	-.276	-.323	-.388
125	41.0	-.214	-.238	-.251	-.238	-.400
126	52.5	-.187	-.203	-.212	-.186	-.259
127	62.5	-.154	-.168	-.179	-.170	-.147
128	72.5	-.075	-.084	-.088	-.079	-.054
129	78.0	-.038	-.042	-.043	-.034	-.010
130	85.3	.015	.013	.011	.020	.038
131	94.1	.064	.063	.060	.066	.082
132	3.0	-.429	-.461	-.475	-.501	-.507
133	10.0	-.284	-.306	-.317	-.324	-.377
134	25.0	-.243	-.267	-.265	-.264	-.381
135	41.0	-.231	-.258	-.279	-.266	-.321
136	52.5	-.212	-.240	-.256	-.250	-.233
137	62.5	-.181	-.206	-.230	-.221	-.167
138	72.5	-.158	-.181	-.214	-.227	-.172
139	83.4	--	--	--	--	--
140	94.0	--	--	--	--	--
141	3.0	-.511	-.638	-.592	-.549	-.552
142	10.0	-.329	-.362	-.338	-.329	-.335
143	25.0	-.267	-.302	-.368	-.381	-.358
144	41.0	-.244	-.282	-.320	-.402	-.360
145	52.5	-.220	-.249	-.265	-.329	-.366
146	62.5	-.165	-.185	-.199	-.173	-.235
147	72.5	-.142	-.150	-.152	-.138	-.161
148	84.0	-.071	-.065	-.055	-.039	-.037
149	92.0	--	--	--	--	--
150	3.0	-.531	-.601	-.630	-.664	-.666
151	10.0	-.283	-.308	-.313	-.356	-.389
152	25.0	-.232	-.270	-.301	-.332	-.409
153	41.0	--	--	--	--	--
154	52.5	-.158	-.167	-.162	-.136	-.111
155	62.5	-.102	-.102	-.089	-.066	-.023
156	72.5	-.073	-.066	-.049	-.029	.008
157	84.9	.060	.068	.082	.104	.124

NACA

TABLE 48

$$[\Lambda = 45°, \ \delta_{a_n} = -9.4°, \ \alpha = 2°]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
A 1	2.0	-0.177	-0.138	-0.108	-0.067	-0.031
2	6.0	-.184	-.164	-.142	-.066	-.075
3	15.0	-.175	-.166	-.150	-.123	-.092
4	27.5	-.161	-.158	-.145	-.119	-.093
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	--	--	--	--	--
8	67.5	--	--	--	--	--
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	-.230	-.233	-.225	-.196	-.207
15	27.5	-.244	-.261	-.255	-.225	-.192
16	40.0	-.258	-.290	-.307	-.281	-.240
17	50.0	-.247	-.291	-.322	-.300	-.270
18	59.0	-.212	-.265	-.306	-.291	-.259
19	67.5	--	--	--	--	--
20	77.5	--	--	--	--	--
21	88.0	--	--	--	--	--
22	95.3	--	--	--	--	--
C23	2.0	-.230	-.255	-.225	-.175	-.129
24	6.0	-.265	-.273	-.263	-.225	-.188
25	15.0	-.270	-.294	-.301	-.269	-.248
26	27.5	-.281	-.321	-.346	-.322	-.284
27	40.0	-.297	-.345	-.404	-.387	-.354
28	50.0	-.276	-.334	-.421	-.403	-.381
29	59.0	-.257	-.311	-.421	-.453	-.427
30	67.5	-.220	-.275	-.369	-.415	-.390
31	77.5	-.138	-.183	-.277	-.385	-.386
32	88.0	-.062	-.084	-.128	-.217	-.280
33	95.3	-.005	-.019	-.053	-.101	-.157
D34	2.0	-.336	-.344	-.329	-.268	-.215
35	15.0	-.290	-.353	-.371	-.346	-.311
36	27.5	-.290	-.344	-.414	-.388	-.384
37	40.0	-.304	-.365	-.484	-.491	-.460
38	50.0	-.298	-.340	-.438	-.533	-.521
39	59.0	-.230	-.283	-.377	-.425	-.486
40	67.5	-.220	-.283	-.367	-.461	-.479
41	77.5	-.089	-.092	-.075	-.322	-.453
42	87.5	-.012	-.013	-.004	-.004	-.094
43	94.2	.048	.052	.057	.054	-.009
E44	2.0	-.342	-.398	-.444	-.384	-.307
45	6.0	-.307	-.365	-.415	-.385	-.331
46	15.0	-.283	-.343	-.421	-.409	-.363
47	27.5	-.271	-.334	-.432	-.470	-.429
48	40.0	-.271	-.333	-.418	-.532	-.525
49	50.0	-.240	-.297	-.379	-.483	-.539
50	59.0	-.204	-.262	-.322	-.461	-.512
51	67.5	-.139	-.147	-.113	-.168	-.434
52	77.5	-.034	-.035	-.022	-.027	-.142
53	88.5	.152	.165	.168	.112	.004
54	95.5	.102	.113	.119	.114	.077
F55	2.0	-.341	-.411	-.482	-.447	-.357
56	6.0	-.292	-.358	-.432	-.429	-.369
57	15.0	-.269	-.333	-.415	-.448	-.405
58	27.5	-.251	-.313	-.399	-.495	-.467
59	49.0	-.243	-.300	-.380	-.495	-.554
60	50.0	-.192	-.237	-.264	-.361	-.533
61	59.0	-.119	-.141	-.137	-.137	-.302
62	67.5	-.022	-.026	-.015	-.006	-.157
63	86.5	--	--	--	--	--
64	94.6	--	--	--	--	--
G65	2.0	-.280	-.359	-.455	-.513	-.460
66	6.0	-.258	-.324	-.400	-.473	-.481
67	15.0	-.225	-.278	-.336	-.382	-.460
68	27.5	-.207	-.251	-.291	-.310	-.428
69	40.0	-.191	-.227	-.261	-.228	-.371
70	50.0	-.156	-.189	-.219	-.175	-.212
71	59.0	-.107	-.124	-.090	-.075	-.035
72	67.5	.001	.006	.007	.020	.045
73	77.5	.135	.142	.143	.144	.088
74	87.2	--	--	--	--	--
75	96.8	.115	.122	.127	.139	.167
H76	2.0	-.257	-.338	-.425	-.445	-.475
77	6.0	-.233	-.294	-.368	-.409	-.447
78	15.0	-.202	-.248	-.302	-.337	-.365
79	27.5	-.189	-.221	-.252	-.272	-.281
80	40.0	-.182	-.204	-.226	-.240	-.216
81	50.0	-.147	-.165	-.192	-.189	-.127
82	59.0	-.119	-.144	-.098	-.035	-.009
83	67.5	.034	.054	.066	.075	.083
84	88.3	.122	.143	.166	.185	.194
85	94.2	.120	.138	.173	--	.187

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
86	3.0	0.103	0.111	0.123	0.128	0.146
87	10.0	.014	.023	.033	.041	.056
88	25.0	-.015	-.013	-.004	.003	.021
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	--	--	--	--	--
92	72.5	--	--	--	--	--
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	.094	.094	.097	.097	.110
96	10.0	-.012	-.018	-.014	-.011	.006
97	25.0	-.060	-.067	-.072	-.072	-.058
98	41.0	-.096	-.112	-.121	-.126	-.116
99	52.5	-.095	-.115	-.135	-.148	-.144
100	62.5	--	--	--	--	--
101	72.5	--	--	--	--	--
102	86.3	--	--	--	--	--
103	94.5	--	--	--	--	--
104	3.0	.099	.088	.114	.065	.071
105	10.0	-.009	-.021	-.034	-.044	-.035
106	25.0	-.075	-.093	-.108	-.122	-.119
107	41.0	-.108	-.130	-.156	-.179	-.192
108	52.5	-.105	-.131	-.159	-.188	-.213
109	62.5	-.081	-.101	-.125	-.153	-.194
110	72.5	-.038	-.055	-.075	-.101	-.141
111	85.1	.017	.012	-.005	-.026	-.060
112	94.6	.060	.056	.041	.013	-.019
113	3.0	.117	.105	.083	.053	.036
114	10.0	.014	.001	-.015	-.037	-.047
115	25.0	-.069	-.088	-.109	-.135	-.153
116	41.0	-.106	-.129	-.151	-.179	-.224
117	52.5	-.098	-.128	-.140	-.165	-.213
118	62.5	-.066	-.078	-.090	-.106	-.157
119	72.5	-.009	-.011	-.017	-.018	-.037
120	87.4	.063	.068	.069	.067	.056
121	94.2	.074	.079	.082	.084	.065
122	3.0	.141	.150	.141	.121	.099
123	10.0	.011	.011	-.003	-.018	-.036
124	25.0	-.064	-.067	-.079	-.090	-.108
125	41.0	-.098	-.104	-.113	-.118	-.133
126	52.5	-.107	-.104	-.109	-.107	-.103
127	62.5	-.088	-.092	-.103	-.101	-.104
128	72.5	-.047	-.035	-.028	-.024	-.024
129	78.0	.000	.002	.002	.010	.009
130	85.3	.053	.054	.055	.065	.068
131	94.1	.086	.093	.092	.102	.103
132	3.0	.131	.146	.148	.130	.103
133	10.0	.008	.015	.010	-.001	-.021
134	25.0	-.073	-.073	-.076	-.081	-.089
135	41.0	-.116	-.121	-.126	-.126	-.135
136	52.5	-.132	-.140	-.149	-.145	-.146
137	62.5	-.123	-.132	-.146	-.143	-.135
138	72.5	-.120	-.134	-.153	-.155	-.146
139	83.4	--	--	--	--	--
140	94.0	--	--	--	--	--
141	3.0	.116	.143	.162	.168	.144
142	10.0	-.021	-.014	-.012	-.012	-.034
143	25.0	-.090	-.096	-.104	-.106	-.130
144	41.0	-.136	-.150	-.165	-.167	-.192
145	52.5	-.143	-.156	-.172	-.170	-.184
146	62.5	-.124	-.140	-.151	-.148	-.159
147	72.5	-.116	-.124	-.134	-.131	-.118
148	84.0	-.122	-.103	-.090	-.076	-.051
149	92.0	--	--	--	--	--
150	3.0	.087	.102	.113	.127	.143
151	10.0	-.049	-.055	-.062	-.056	-.042
152	25.0	-.111	-.133	-.158	-.170	-.177
153	41.0	--	--	--	--	--
154	52.5	-.114	-.127	-.141	-.148	-.161
155	62.5	-.078	-.085	-.097	-.102	-.116
156	72.5	-.067	-.062	-.064	-.048	-.020
157	84.9	.077	.093	.112	.131	.148

NACA

TABLE 49

$$\left[\Lambda = 45°, \; \delta_{a_n} = -9.4°, \; \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
A 1	2.0	-1.121	-1.152	-0.998	-0.877	-0.785
2	6.0	-.605	-.600	-.540	-.515	-.481
3	15.0	-.426	-.432	-.394	-.357	-.319
4	27.5	-.349	-.365	-.311	-.299	-.266
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	--	--	--	--	--
8	67.5	--	--	--	--	--
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	-.511	-.533	-.487	-.453	-.413
15	27.5	-.436	-.481	-.461	-.425	-.390
16	40.0	-.402	-.481	-.463	-.428	-.393
17	50.0	-.387	-.471	-.478	-.448	-.418
18	59.0	-.326	-.430	-.478	-.439	-.410
19	67.5	--	--	--	--	--
20	77.5	--	--	--	--	--
21	88.0	--	--	--	--	--
22	95.3	--	--	--	--	--
C23	2.0	-1.402	-1.420	-1.158	-1.051	-.972
24	6.0	-1.074	-1.135	-1.125	-1.007	-.901
25	15.0	-.571	-.644	-.562	-.506	-.456
26	27.5	-.480	-.582	-.570	-.527	-.486
27	40.0	-.446	-.562	-.599	-.564	-.523
28	50.0	-.473	-.483	-.566	-.573	-.536
29	59.0	-.339	-.427	-.641	-.600	-.560
30	67.5	-.260	-.320	-.580	-.550	-.516
31	77.5	-.195	-.236	-.510	-.548	-.517
32	88.0	-.118	-.139	-.279	-.419	-.427
33	95.3	-.158	-.012	-.085	-.209	-.230
D34	2.0	-1.298	-1.451	-1.267	-1.135	-1.027
35	15.0	-.747	-.800	-.904	-.917	-.855
36	27.5	-.476	-.621	-.667	-.613	-.571
37	40.0	-.430	-.525	-.734	-.684	-.636
38	50.0	-.373	-.433	-.774	-.723	-.682
39	59.0	-.422	-.301	-.506	-.698	-.684
40	67.5	-.201	-.249	-.360	-.689	-.686
41	77.5	-.129	-.155	-.217	-.364	-.437
42	87.5	-.046	-.053	-.121	-.231	-.261
43	94.2	-.006	-.014	-.088	-.186	-.211
E44	2.0	-1.104	-1.227	--	-1.198	-1.077
45	6.0	-1.070	-1.160	-1.287	-1.166	-1.055
46	15.0	-.946	-1.066	-1.164	-1.051	-.957
47	27.5	-.521	-.594	-.902	-.933	-.880
48	40.0	-.361	-.413	-.778	-.723	-.667
49	50.0	-.303	-.339	-.520	-.801	-.751
50	59.0	-.236	-.259	-.261	-.555	-.793
51	67.5	-.157	-.176	-.193	-.303	-.574
52	77.5	-.071	-.087	-.145	-.245	-.326
53	88.5	.053	.020	-.094	-.200	-.284
54	95.5	.044	.023	-.066	-.163	-.250
F55	2.0	-1.103	-1.284	--	-1.246	-1.126
56	6.0	-1.074	-1.263	--	-1.186	-1.073
57	15.0	-.826	-1.055	-1.191	-1.084	-.987
58	27.5	-.546	-.535	-1.098	-1.004	-.928
59	49.0	-.385	-.437	-.674	-.892	-.878
60	50.0	-.273	-.315	-.205	-.406	-.744
61	59.0	-.177	-.194	-.161	-.246	-.640
62	67.5	-.085	-.089	-.111	-.205	-.355
63	86.5	--	--	--	--	--
64	94.6	--	--	--	--	--
G65	2.0	-.854	-.988	-1.199	-1.240	-1.117
66	6.0	-.831	-.980	-1.169	-1.152	-1.055
67	15.0	-.754	-.931	-1.039	-1.098	-.989
68	27.5	-.534	-.501	-.739	-.855	-.861
69	40.0	-.349	-.375	-.518	-.560	-.669
70	50.0	-.244	-.318	-.393	-.528	-.590
71	59.0	-.163	-.208	-.192	-.230	-.528
72	67.5	-.098	-.126	-.132	-.173	-.450
73	77.5	-.033	-.038	-.081	-.179	-.335
74	87.2	--	--	--	--	--
75	96.8	.066	.042	.085	.065	-.017
H76	2.0	-.603	-.492	-.429	-.399	-.421
77	6.0	-.559	-.479	-.423	-.388	-.413
78	15.0	-.519	-.452	-.410	-.385	-.396
79	27.5	-.411	-.411	-.357	-.333	-.342
80	40.0	-.305	-.438	-.381	-.360	-.370
81	50.0	-.221	-.404	-.394	-.368	-.353
82	59.0	-.158	-.336	-.391	-.373	-.340
83	67.5	-.105	-.234	-.368	-.364	-.330
84	88.3	-.019	.002	-.217	-.243	-.298
85	94.2	.008	-.020	-.126	-.169	-.267

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
86	3.0	0.407	0.409	0.414	0.422	0.434
87	10.0	.166	.178	.185	.194	.206
88	25.0	.153	.161	.187	.179	.194
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	--	--	--	--	--
92	72.5	--	--	--	--	--
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	.400	.393	.388	.391	.400
96	10.0	.220	.215	.212	.216	.226
97	25.0	.113	.112	.108	.113	.132
98	41.0	.041	.038	.035	.048	.047
99	52.5	.020	.017	.009	.006	.013
100	62.5	--	--	--	--	--
101	72.5	--	--	--	--	--
102	86.3	--	--	--	--	--
103	94.5	--	--	--	--	--
104	3.0	.407	.391	.378	.373	.375
105	10.0	.232	.220	.207	.204	.207
106	25.0	.100	.091	.079	.075	.078
107	41.0	.030	.015	.001	-.010	-.007
108	52.5	.003	-.010	-.030	-.042	-.042
109	62.5	.005	-.004	-.025	-.038	-.039
110	72.5	.028	.021	-.001	-.017	-.018
111	85.1	.073	.063	.045	.020	.021
112	94.6	.094	.091	.052	.019	.021
113	3.0	.414	.398	.376	.363	.357
114	10.0	.252	.240	.219	.207	.203
115	25.0	.106	.095	.074	.060	.056
116	41.0	.028	.016	-.008	-.027	-.034
117	52.5	.003	-.011	-.036	-.062	-.069
118	62.5	.007	-.002	-.025	-.052	-.058
119	72.5	.038	.031	.011	-.019	-.026
120	87.4	.097	.079	.073	.026	.023
121	94.2	.063	.057	.028	-.021	-.033
122	3.0	.427	.420	.396	.385	
123	10.0	.257	.246	.208	.208	
124	25.0	.116	.110	.090	.073	
125	41.0	.036	.029	.013	-.008	
126	52.5	.003	.003	-.014	-.036	
127	62.5	-.018	-.024	-.044	-.073	
128	72.5	.015	.010	-.008	-.035	
129	78.0	.028	.023	.005	-.022	
130	85.3	.063	.057	.037	.011	
131	94.1	.076	.067	.036	.001	
132	3.0	.427	.420	.394	.377	
133	10.0	.257	.251	.227	.208	
134	25.0	.109	.105	.088	.068	
135	41.0	.024	.017	.000	-.022	
136	52.5	-.018	-.031	-.048	-.072	
137	62.5	-.042	-.054	-.074	-.101	
138	72.5	-.061	-.077	-.100	-.132	
139	83.4	--	--	--	--	
140	94.0	--	--	--	--	
141	3.0	.417	.418	.398	.376	
142	10.0	.232	.231	.246	.184	
143	25.0	.089	.085	.070	.042	
144	41.0	-.005	-.014	-.029	-.058	
145	52.5	-.042	-.051	-.064	-.093	
146	62.5	-.046	-.064	-.059	-.087	
147	72.5	-.066	-.081	-.096	-.131	
148	84.0	-.053	-.071	-.068	-.095	
149	92.0	--	--	--	--	
150	3.0	.305	.305	.310	.302	
151	10.0	.137	.133	.134	.121	
152	25.0	.010	-.010	-.024	-.044	
153	41.0	--	--	--	--	
154	52.5	-.065	-.092	-.123	-.153	
155	62.5	-.052	-.078	-.108	-.131	
156	72.5	-.072	-.090	-.124	-.144	
157	84.9	.005	.022	-.037	-.075	

NACA

TABLE 50

$$\left[\Lambda = 45°,\ \delta_{a_n} = 10.0°,\ \alpha = -2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
A 1	2.0		0.245	0.253	0.263	0.279
2	6.0		.107	.116	.132	.150
3	15.0		.019	.031	.044	.065
4	27.5		-.009	.002	.017	.039
5	40.0		- -	- -	- -	- -
6	50.0		- -	- -	- -	- -
7	59.0		- -	- -	- -	- -
8	67.5		- -	- -	- -	- -
9	77.5		- -	- -	- -	- -
10	87.5		- -	- -	- -	- -
11	96.0		- -	- -	- -	- -
B12	2.0		- -	- -	- -	- -
13	6.0		- -	- -	- -	- -
14	15.0		-.026	-.023	-.013	.002
15	27.5		-.100	-.097	-.086	-.065
16	40.0		-.156	-.165	-.158	-.140
17	50.0		-.174	-.190	-.186	-.175
18	59.0		-.160	-.171	-.168	-.145
19	67.5		- -	- -	- -	- -
20	77.5		- -	- -	- -	- -
21	88.0		- -	- -	- -	- -
22	95.3		- -	- -	- -	- -
C23	2.0		.231	.226	.230	.238
24	6.0		.066	.063	.066	.078
25	15.0		-.058	-.067	-.063	-.049
26	27.5		-.139	-.154	-.152	-.136
27	40.0		-.202	-.231	-.233	-.219
28	50.0		-.211	-.260	-.282	-.288
29	59.0		-.219	-.266	-.300	-.295
30	67.5		-.169	-.212	-.253	-.268
31	77.5		-.125	-.160	-.202	-.248
32	88.0		-.047	-.077	-.103	-.172
33	95.3		.021	-.018	-.042	-.109
D34	2.0		.194	.190	.183	.181
35	15.0		-.069	-.086	-.098	-.095
36	27.5		-.148	-.178	-.199	-.196
37	40.0		-.213	-.253	-.293	-.307
38	50.0		-.225	-.261	-.317	-.360
39	59.0		-.168	-.213	-.257	-.373
40	67.5		-.146	-.173	-.173	-.300
41	77.5		-.088	-.102	-.097	-.164
42	87.5		-.008	-.015	-.008	-.035
43	94.2		.047	.044	.053	.030
E44	2.0	0.224	.251	.260	.256	.243
45	6.0	.033	.056	.061	.057	.042
46	15.0	-.074	-.073	-.077	-.087	-.107
47	27.5	-.147	-.156	-.167	-.176	-.211
48	40.0	-.202	-.220	-.237	-.241	-.309
49	50.0	-.212	-.230	-.247	-.243	-.323
50	59.0	-.199	-.220	-.227	-.222	-.259
51	67.5	-.169	-.176	-.176	-.174	-.164
52	77.5	-.126	-.097	-.099	-.090	-.065
53	88.5	.103	.083	.075	.082	.109
54	95.5	.059	.051	.049	.056	.073
F55	2.0	.198	.232	.248	.255	.228
56	6.0	.036	.048	.069	.075	.050
57	15.0	-.084	-.079	-.077	-.076	-.108
58	27.5	-.159	-.166	-.169	-.167	-.202
59	49.0	-.221	-.239	-.249	-.247	-.277
60	50.0	-.231	-.254	-.264	-.263	-.278
61	59.0	-.234	-.259	-.264	-.243	-.240
62	67.5	-.233	-.260	-.277	-.252	-.214
63	86.5	- -	- -	- -	- -	- -
64	94.8	- -	- -	- -	- -	- -
G65	2.0	.178	.221	.246	.263	.269
66	6.0	.017	.041	.056	.070	.079
67	15.0	-.090	-.086	-.084	-.078	-.070
68	27.5	-.166	-.175	-.185	-.186	-.173
69	40.0	-.231	-.254	-.274	-.296	-.278
70	50.0	-.256	-.286	-.313	-.341	-.346
71	59.0	-.247	-.276	-.304	-.318	-.353
72	67.5	-.240	-.265	-.287	-.269	-.324
73	77.5	-.263	-.284	-.297	-.257	-.243
74	87.2	- -	- -	- -	- -	- -
75	96.8	.080	.084	.083	.074	.059
H76	2.0	.083	.102	.117	.134	.157
77	6.0	.098	-.049	-.052	-.045	-.027
78	15.0	-.120	-.139	-.163	-.162	-.150
79	27.5	-.179	-.210	-.251	-.265	-.267
80	40.0	-.221	-.257	-.308	-.347	-.366
81	50.0	-.228	-.257	-.297	-.326	-.364
82	59.0	-.199	-.212	-.249	-.283	-.321
83	67.5	-.162	-.173	-.213	-.245	-.245
84	88.3	-.096	-.067	.019	.052	.083
85	94.2	.018	.010	.075	.097	.111

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
86	3.0		-0.287	-0.259	-0.224	-0.181
87	10.0		-.096	-.079	-.059	-.035
88	25.0		-.162	-.155	-.135	-.104
89	41.0		- -	- -	- -	- -
90	52.5		- -	- -	- -	- -
91	62.5		- -	- -	- -	- -
92	72.5		- -	- -	- -	- -
93	84.0		- -	- -	- -	- -
94	94.0		- -	- -	- -	- -
95	3.0		-.376	-.351	-.327	-.277
96	10.0		-.242	-.202	-.165	-.150
97	25.0		-.226	-.237	-.229	-.200
98	41.0		-.236	-.264	-.255	-.229
99	52.5		-.228	-.288	-.289	-.266
100	62.5		- -	- -	- -	- -
101	72.5		- -	- -	- -	- -
102	86.3		- -	- -	- -	- -
103	94.5					
104	3.0		-.435	-.440	-.410	-.360
105	10.0		-.289	-.310	-.294	-.266
106	25.0		-.263	-.303	-.302	-.274
107	41.0		-.258	-.332	-.358	-.329
108	52.5		-.233	-.301	-.376	-.365
109	62.5		-.179	-.230	-.335	-.360
110	72.5		-.112	-.146	-.224	-.305
111	85.1		-.027	-.051	-.077	-.162
112	94.6		.029	.012	-.009	-.076
113	3.0		-.484	-.534	-.516	-.467
114	10.0		-.278	-.306	-.330	-.320
115	25.0		-.267	-.311	-.361	-.344
116	41.0		-.250	-.301	-.421	-.430
117	52.5		-.206	-.242	-.318	-.427
118	62.5		-.138	-.158	-.163	-.360
119	72.5		-.056	-.068	-.060	-.149
120	87.4		.041	.035	.049	.020
121	94.2		.060	.055	.064	.038
122	3.0	-.320	-.425	-.526	-.566	-.538
123	10.0	-.230	-.281	-.298	-.360	-.364
124	25.0	-.178	-.225	-.265	-.327	-.400
125	41.0	-.149	-.189	-.222	-.222	-.415
126	52.5	-.098	-.129	-.153	-.148	-.236
127	62.5	-.057	-.080	-.096	-.097	-.085
128	72.5	.020	.008	.003	.005	.019
129	78.0	.057	.055	.053	.056	.068
130	85.3	.111	.110	.109	.110	.116
131	94.1	.125	.122	.120	.123	.130
132	3.0	-.312	-.417	-.536	-.589	-.581
133	10.0	-.208	-.261	-.297	-.297	-.400
134	25.0	-.200	-.234	-.245		-.396
135	41.0	-.116	-.148	-.178	-.188	-.255
136	52.5	-.067	-.087	-.100	-.101	-.079
137	62.5	.020	.012	.009	.007	.034
138	72.5	.131	.125	.124	.126	.124
139	83.4	- -	- -	- -	- -	
140	94.0	.138	.137	.132	.130	.147
141	3.0	-.247	-.341	-.443	-.508	-.586
142	10.0	-.189	-.245	-.273	-.235	-.299
143	25.0	-.133	-.158	-.186	-.210	-.231
144	41.0	-.087	-.102	-.120	-.123	-.107
145	52.5	-.031	-.034	-.041	-.041	-.031
146	62.5	.066	.063	.060	.028	.068
147	72.5	.138	.149	.146	.143	.148
148	84.0	.229	.225	.217	.213	.219
149	92.0	- -	- -	- -	- -	
150	3.0	.005	-.264	-.350	-.404	-.438
151	10.0	-.163	-.202	-.218	-.284	-.215
152	25.0	-.133	-.154	-.175	-.209	-.220
153	41.0	- -	- -	- -	- -	
154	52.5	-.045	-.029	-.024	-.017	-.001
155	62.5	.060	.058	.066	.070	.090
156	72.5	.132	.133	.140	.145	.159
157	84.9	.102	.110	.130	.134	.154

NACA

TABLE 51

$$\left[\Lambda = 45°,\ \delta_{a_n} = 10.0°,\ \alpha = 2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number				
		0.60	0.80	0.89	0.925	0.96
A 1	2.0	-0.182	-0.150	-0.101	0.084	-0.040
2	6.0	-.189	-.172	-.136	-.116	-.080
3	15.0	-.179	-.171	-.146	-.128	-.095
4	27.5	-.164	-.161	-.141	-.120	-.088
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	--	--	--	--	--
8	67.5	--	--	--	--	--
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	-.232	-.239	-.219	-.199	-.165
15	27.5	-.248	-.264	-.249	-.224	-.191
16	40.0	-.264	-.296	-.306	-.281	-.238
17	50.0	-.251	-.299	-.319	-.304	-.270
18	59.0	-.234	-.286	-.325	-.316	-.268
19	67.5	--	--	--	--	--
20	77.5	--	--	--	--	--
21	88.0	--	--	--	--	--
22	95.3	--	--	--	--	--
C23	2.0	-.281	-.261	-.201	-.173	-.126
24	6.0	-.273	-.275	-.245	-.222	-.183
25	15.0	-.276	-.299	-.293	-.266	-.228
26	27.5	-.290	-.324	-.339	-.322	-.281
27	40.0	-.303	-.356	-.402	-.387	-.353
28	50.0	-.276	-.339	-.421	-.422	-.378
29	59.0	-.264	-.318	-.421	-.449	-.424
30	67.5	-.227	-.280	-.369	-.407	-.388
31	77.5	-.142	-.189	-.286	-.384	-.384
32	88.0	-.055	-.079	-.123	-.217	-.280
33	95.3	.005	-.007	-.039	-.094	-.143
D34	2.0	-.353	-.350	-.297	-.265	-.203
35	15.0	-.301	-.337	-.356	-.340	-.305
36	27.5	-.303	-.349	-.404	-.384	-.354
37	40.0	-.319	-.376	-.489	-.490	-.454
38	50.0	-.296	-.354	-.456	-.539	-.508
39	59.0	-.235	-.290	-.376	-.443	-.475
40	67.5	-.224	-.286	-.360	-.458	-.474
41	77.5	-.091	-.091	-.063	-.311	-.463
42	87.5	-.017	-.018	-.005	.001	.101
43	94.2	.046	.048	.056	.063	-.003
E44	2.0	-.429	-.398	-.379	-.320	-.234
45	6.0	-.371	-.371	-.379	-.342	-.285
46	15.0	-.335	-.361	-.401	-.383	-.337
47	27.5	-.329	-.367	-.426	-.450	-.409
48	40.0	-.339	-.386	-.432	-.531	-.509
49	50.0	-.318	-.362	-.402	-.487	-.543
50	59.0	-.287	-.327	-.372	-.487	-.507
51	67.5	-.256	-.303	-.265	-.365	-.491
52	77.5	-.113	-.111	-.110	-.116	-.350
53	88.5	.080	.083	.082	.103	.083
54	95.5	.053	.050	.050	.072	.080
F55	2.0	-.482	-.437	-.417	-.368	-.272
56	6.0	-.394	-.391	-.395	-.379	-.315
57	15.0	-.355	-.380	-.403	-.417	-.371
58	27.5	-.349	-.386	-.413	-.473	-.438
59	49.0	-.365	-.413	-.449	-.538	-.540
60	50.0	-.345	-.401	-.434	-.518	-.608
61	59.0	-.323	-.377	-.386	-.432	-.581
62	67.5	-.306	-.358	-.347	-.311	-.508
63	86.5	--	--	--	--	--
64	94.6	--	--	--	--	--
G65	2.0	-.581	-.549	-.508	-.485	-.383
66	6.0	-.457	-.470	-.472	-.480	-.422
67	15.0	-.378	-.414	-.432	-.449	-.427
68	27.5	-.362	-.412	-.457	-.473	-.489
69	40.0	-.377	-.439	-.513	-.511	-.573
70	50.0	-.371	-.429	-.528	-.526	-.606
71	59.0	-.333	-.386	-.478	-.495	-.573
72	67.5	-.302	-.350	-.433	-.422	-.520
73	77.5	-.306	-.330	-.314	-.286	-.258
74	87.2	--	--	--	--	--
75	96.8	.063	.068	.054	.056	.030
H76	2.0	-.568	-.643	-.674	-.631	-.557
77	6.0	-.417	-.483	-.601	-.593	-.560
78	15.0	-.335	-.391	-.501	-.514	-.513
79	27.5	-.319	-.375	-.487	-.523	-.436
80	40.0	-.323	-.380	-.449	-.493	-.452
81	50.0	-.306	-.357	-.419	-.473	-.419
82	59.0	-.261	-.310	-.361	-.444	-.322
83	67.5	-.202	-.238	-.150	-.215	-.192
84	88.3	-.034	-.013	.019	.048	-.012
85	94.2	.023	.054	.083	.098	.009

LOWER SURFACE

Tube	Per-cent chord	Mach Number				
		0.60	0.80	0.89	0.925	0.96
86	3.0	0.109	0.118	0.117	0.134	0.151
87	10.0	.018	.027	.033	.046	.061
88	25.0	-.012	-.009	-.008	.005	.034
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	--	--	--	--	--
92	72.5	--	--	--	--	--
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	.102	.099	.089	.100	.112
96	10.0	-.007	-.013	-.021	.007	.007
97	25.0	-.056	-.065	-.078	-.071	-.058
98	41.0	-.092	-.108	-.126	-.125	-.116
99	52.5	-.089	-.110	-.136	-.142	-.141
100	62.5	--	--	--	--	--
101	72.5	--	--	--	--	--
102	86.3	--	--	--	--	--
103	94.5	--	--	--	--	--
104	3.0	.107	.092	.064	.066	.068
105	10.0	-.002	-.017	-.044	-.043	-.037
106	25.0	-.069	-.088	-.116	-.122	-.120
107	41.0	-.102	-.127	-.163	-.177	-.195
108	52.5	-.099	-.125	-.163	-.184	-.214
109	62.5	-.073	-.096	-.128	-.147	-.195
110	72.5	-.033	-.051	-.078	-.098	-.141
111	85.1	.018	.008	-.012	-.029	-.068
112	94.6	.064	.054	.033	.010	-.031
113	3.0	.127	.105	.061	.047	.023
114	10.0	.024	.005	-.028	-.041	-.054
115	25.0	-.056	-.082	-.116	-.134	-.158
116	41.0	-.093	-.120	-.155	-.176	-.228
117	52.5	-.086	-.110	-.141	-.161	-.217
118	62.5	-.053	-.069	-.090	-.111	-.163
119	72.5	.004	.002	-.007	.002	-.037
120	87.4	.067	.072	.071	.071	.054
121	94.2	.080	.083	.082	.085	.062
122	3.0	.190	.157	.124	.101	.066
123	10.0	.054	.022	-.009	-.028	-.057
124	25.0	-.015	-.044	-.074	-.089	-.124
125	41.0	-.039	-.065	-.091	-.103	-.136
126	52.5	-.015	-.036	-.058	-.065	-.085
127	62.5	.000	-.015	-.033	-.036	-.051
128	72.5	.066	.062	.050	.053	.042
129	78.0	.105	.096	.092	.097	.094
130	85.3	.149	.152	.153	.162	.163
131	94.1	.148	.159	.160	.172	.173
132	3.0	.204	.172	.141	.116	.067
133	10.0	.076	.048	.020	.002	-.037
134	25.0	.008	-.016	-.041	-.054	-.081
135	41.0	-.008	-.029	-.051	-.060	-.080
136	52.5	.011	-.006	-.051	-.028	-.043
137	62.5	.056	.062	.072	.066	.074
138	72.5	.174	.183	.183	.189	.185
139	83.4	--	--	--	--	--
140	94.0	.152	.160	.154	.149	.133
141	3.0	.253	.229	.208	.201	.163
142	10.0	.098	.075	.054	.047	.014
143	15.0	.033	.017	.001	-.002	-.024
144	41.0	.018	.010	-.001	-.003	-.016
145	52.5	.046	.042	.035	.033	.020
146	62.5	.074	.063	.063	.063	.064
147	72.5	.198	.203	.200	.202	.201
148	84.0	.268	.287	.296	.302	.300
149	92.0	--	--	--	--	--
150	3.0	.123	.146	.141	.151	.147
151	10.0	.046	.033	.017	.017	.007
152	25.0	-.025	-.038	-.057	-.065	-.085
153	41.0	--	--	--	--	--
154	52.5	.007	.007	.002	.000	-.021
155	62.5	.031	.021	.012	.014	-.009
156	72.5	.161	.172	.211	.193	.178
157	84.9	.086	.110	.133	.137	.091

NACA

TABLE 52

$$\left[\Lambda = 45°,\ \delta_{a_n} = 10.0°,\ \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
A 1	2.0	-1.089	-1.172	-1.005	-0.883	-0.779
2	6.0	-.615	-.617	-.553	-.525	-.481
3	15.0	-.430	-.437	-.396	-.279	-.316
4	27.5	-.351	-.369	-.334	-.301	-.264
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	--	--	--	--	--
8	67.5	--	--	--	--	--
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	-.508	-.528	-.487	-.451	-.408
15	27.5	-.434	-.480	-.457	-.424	-.381
16	40.0	-.406	-.488	-.464	-.426	-.382
17	50.0	-.387	-.466	-.486	-.456	-.416
18	59.0	-.330	-.435	-.469	-.429	-.393
19	67.5	--	--	--	--	--
20	77.5	--	--	--	--	--
21	88.0	--	--	--	--	--
22	95.3	--	--	--	--	--
C23	2.0	-1.381	-1.418	-1.158	-1.051	-.960
24	6.0	-.982	-1.121	-1.118	.996	-.885
25	15.0	-.581	-.654	-.564	-.507	-.452
26	27.5	-.481	-.689	-.568	-.525	-.479
27	40.0	-.446	-.559	-.602	-.561	-.512
28	50.0	-.464	-.447	-.590	-.575	-.528
29	59.0	-.344	-.433	-.641	-.600	-.553
30	67.5	-.263	-.326	-.583	-.547	-.505
31	77.5	-.196	-.242	-.532	-.549	-.509
32	88.0	-.113	-.131	-.308	-.426	-.419
33	95.3	-.161	.017	-.111	-.217	-.217
D34	2.0	-1.512	-1.519	-1.264	-1.124	-1.011
35	15.0	-.548	-.729	-.896	-.908	-.837
36	27.5	-.518	-.622	-.660	-.599	-.560
37	40.0	-.458	-.546	-.737	-.681	-.626
38	50.0	-.386	-.442	-.773	-.723	-.676
39	59.0	-.431	-.274	-.587	-.710	-.675
40	67.5	-.231	-.253	-.412	-.696	-.672
41	77.5	-.136	-.162	-.238	-.375	-.430
42	87.5	-.050	-.055	-.142	-.237	-.250
43	94.2	-.006	-.016	-.107	-.191	-.201
E44	2.0	-1.169	-1.389	-1.304	-1.175	-1.058
45	6.0	-1.149	-1.352	-1.253	-1.145	-1.035
46	15.0	-1.051	-1.142	-1.137	-1.024	-.924
47	27.5	-.591	-.632	-.784	-.841	-.816
48	40.0	-.428	-.480	-.758	-.715	-.655
49	50.0	-.377	-.412	-.741	-.795	-.743
50	59.0	-.320	-.332	-.342	-.729	-.782
51	67.5	-.247	-.256	-.265	-.392	-.550
52	77.5	-.153	-.168	-.207	-.318	-.353
53	88.5	-.006	-.042	-.144	-.256	-.294
54	95.5	.000	-.023	-.101	-.206	-.250
F55	2.0	-1.224	-1.199	-1.355	-1.221	-1.097
56	6.0	-1.222	-1.207	-1.291	-1.167	-1.049
57	15.0	-1.002	-1.138	-1.160	-1.059	-.960
58	27.5	-.652	-.863	-1.080	-.979	-.886
59	49.0	-.490	-.542	-.779	-.787	-.775
60	50.0	-.403	-.414	-.459	-.796	-.750
61	59.0	-.331	-.336	-.273	-.532	-.801
62	67.5	.275	-.273	-.223	-.343	-.591
63	86.5	--	--	--	--	--
64	94.6	--	--			
G65	2.0	-1.011	-.858	-1.380	-1.254	-1.137
66	6.0	-.999	-.846	-1.293	-1.194	-1.089
67	15.0	-.998	-.839	-1.215	-1.090	-1.003
68	27.5	-.812	-.774	-1.065	-1.008	-.955
69	40.0	-.542	-.702	-.587	-.753	-.889
70	50.0	-.412	-.621	-.553	-.611	-.825
71	59.0	-.317	-.514	-.304	-.578	-.786
72	67.5	-.264	-.395	-.125	-.260	-.617
73	77.5	-.206	-.275	-.125	-.182	-.226
74	87.2	--	--	--	--	--
75	96.8	-.041	-.063	-.056	-.108	-.191
H76	2.0	-.647	-1.066	-.569	-.540	-.726
77	6.0	-.627	-.708	-.563	-.540	-.735
78	15.0	-.608	-.482	-.559	-.537	-.665
79	27.5	-.556	-.468	-.553	-.517	-.604
80	40.0	-.498	-.420	-.500	-.466	-.536
81	50.0	-.425	-.389	-.457	-.429	-.471
82	59.0	-.344	-.365	-.432	-.410	-.425
83	67.5	-.274	-.347	-.413	-.396	-.394
84	88.3	-.160	-.281	-.322	-.340	-.363
85	94.2	-.129	-.256	-.262	-.310	-.355

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.89	0.925	0.96
86	3.0	0.411	0.413	0.414	0.419	0.429
87	10.0	.171	.182	.188	.193	.203
88	25.0	.158	.164	.170	.176	.188
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	--	--	--	--	--
92	72.5	--	--	--	--	--
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	.404	.395	.389	.388	.393
96	10.0	.227	.217	.213	.213	.220
97	25.0	.118	.113	.108	.107	.117
98	41.0	.046	.042	.035	.031	.040
99	52.5	.026	.020	.009	.001	.006
100	62.5	--	--	--	--	--
101	72.5	--	--	--	--	--
102	86.3	--	--	--	--	--
103	94.5	--	--	--	--	--
104	3.0	.407	.393	.374	.368	.367
105	10.0	.238	.223	.205	.198	.199
106	25.0	.106	.093	.077	.068	.069
107	41.0	.031	.020	-.003	-.017	-.016
108	52.5	.010	-.007	-.031	-.048	-.049
109	62.5	.011	-.001	-.026	-.043	-.045
110	72.5	.034	.024	-.003	-.021	-.025
111	85.1	.067	.067	.038	.014	.016
112	94.6	.098	.090	.042	.003	.009
113	3.0	.422	.400	.372	.354	.345
114	10.0	.265	.244	.225	.200	.192
115	25.0	.117	.100	.073	.053	.046
116	41.0	.040	.023	-.008	-.034	-.042
117	52.5	.014	-.002	-.036	-.066	-.079
118	62.5	.020	.005	-.025	-.055	-.065
119	72.5	.047	.039	.011	-.022	-.031
120	87.4	.070	.093	.066	.020	.021
121	94.2	.067	.057	.021	-.027	-.038
122	3.0	.443	.433	.422	.386	.367
123	10.0	.279	.265	.249	.211	.190
124	25.0	.146	.134	.122	.082	.062
125	41.0	.080	.067	.057	.011	-.015
126	52.5	.070	.056	.045	-.002	-.032
127	62.5	.061	.043	.033	-.018	-.057
128	72.5	.093	.078	.077	.031	.001
129	78.0	.112	.105	.105	.061	.031
130	85.3	.145	.143	.148	.107	.083
131	94.1	.123	.121	.120	.076	.053
132	3.0	.450	.439	.427	.386	.361
133	10.0	.293	.283	.267	.225	.196
134	25.0	.162	.151	.143	.100	.071
135	41.0	.106	.096	.089	.045	.014
136	52.5	.092	.080	.079	.037	.008
137	62.5	.118	.109	.114	.079	.054
138	72.5	.188	.187	.198	.167	.147
139	83.4	--	--	--	--	--
140	94.0	.119	.112	.107	.063	.017
141	3.0	.454	.448	.446	.409	.378
142	10.0	.290	.280	.275	.233	.198
143	25.0	.168	.158	.160	.120	.085
144	41.0	.102	.094	.102	.057	.024
145	52.5	.095	.088	.102	.056	.024
146	62.5	.120	.107	.139	.103	.067
147	72.5	.174	.175	.190	.154	.128
148	84.0	.239	.250	.270	.240	.218
149	92.0	--	--	--	--	--
150	3.0	.247	.267	.322	.296	.277
151	10.0	.174	.150	.187	.153	.129
152	25.0	.056	.026	.052	.015	-.016
153	41.0	--	--	--	--	--
154	52.5	.017	-.016	.009	-.031	-.059
155	62.5	.046	.016	.044	.005	-.020
156	72.5	.102	.070	.104	.070	.053
157	84.9	.000	-.087	.043	-.092	-.126

NACA

TABLE 53

$$\left[\Lambda = -30^\circ,\ \delta_{e_n} = -10.0^\circ,\ \alpha = -2^\circ\right]$$

CONFIDENTIAL

		UPPER SURFACE								LOWER SURFACE					
Tube	Per-cent chord	Mach Number						Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89					0.60	0.80	0.85	0.89		
A 1	2.0	--	--	--	--			86	3.0		--	--	--		
2	6.0	--	--	--	--			87	10.0		--	--	--		
3	15.0	--	--	--	--			88	25.0		--	--	--		
4	27.5	--	--	--	--			89	41.0		--	--	--		
5	40.0	--	--	--	--			90	52.5		-0.096	-0.113	-0.100		
6	50.0	-0.181	-0.221	-0.239	-0.239			91	62.5		-.068	-.051	-.039		
7	59.0	-.152	-.176	-.180	-.147			92	72.5		-.015	-.002	.024		
8	67.5	-.099	-.084	.084	-.078			93	84.0		--	--	--		
9	77.5	--	--	--	--			94	94.0		--	--	--		
10	87.5	--	--	--	--										
11	96.0	--	--	--	--										
B12	2.0	.476	.509	.504	.487			95	3.0		-1.038	-.921	-.984		
13	6.0	.156	.193	.173	.160			96	10.0		-.799	-.751	-1.028		
14	15.0	-.063	-.083	-.109	-.130			97	25.0		-.541	-.629	-.976		
15	27.5	-.177	-.236	-.277	-.327			98	41.0		-.316	-.483	-.819		
16	40.0	-.229	-.299	-.360	-.464			99	52.5		-.212	-.270	-.351		
17	50.0	-.227	-.280	-.340	-.443			100	62.5		-.126	-.155	-.131		
18	59.0	-.197	-.244	-.277	-.389			101	72.5		-.033	-.049	-.025		
19	67.5	-.132	-.167	-.170	-.122			102	86.3		.057	.056	.089		
20	77.5	-.049	-.064	-.068	-.047			103	94.5		.112	.120	.170		
21	88.0	.054	.055	.040	.063										
22	95.3	--	--	--	--										
C23	2.0	.456	.503	.508	.501			104	3.0		-1.044	-.932	-.770		
24	6.0	.172	.213	.221	.218			105	10.0		-.750	-.883	-.767		
25	15.0	-.028	-.017	-.016	-.018			106	25.0		-.506	-.701	-.707		
26	27.5	-.152	-.182	-.199	-.213			107	41.0		-.373	-.431	-.697		
27	40.0	-.221	-.279	-.331	-.378			108	52.5		-.294	-.276	-.619		
28	50.0	-.198	-.235	-.358	-.447			109	62.5		-.190	-.208	-.489		
29	59.0	-.201	-.252	-.292	-.385			110	72.5		-.067	-.074	-.032		
30	67.5	-.145	-.192	-.232	-.313			111	85.1		.035	.028	.060		
31	77.5	-.068	-.078	-.082	-.085			112	94.6		.093	.092	.107		
32	88.0	.043	.049	.033	.042										
33	95.3	--	--	--	--										
D34	2.0	.396	.454	.452	.452			113	3.0		-.945	-.908	-.756		
35	15.0	-.020	-.005	-.003	-.005			114	10.0		-.689	-.794	-.708		
36	27.5	-.132	-.148	-.158	-.170			115	25.0		-.495	-.634	-.678		
37	40.0	-.210	-.254	-.283	-.312			116	41.0		-.420	-.528	-.723		
38	50.0	-.219	-.271	-.306	-.358			117	52.5		-.322	-.352	-.692		
39	59.0	-.138	-.160	-.282	-.325			118	62.5		-.198	-.226	-.266		
40	67.5	--	--	--	--			119	72.5		-.090	-.096	-.125		
41	77.5	-.102	-.115	-.094	-.114			120	87.4		.044	.012	.009		
42	87.5	.023	.019	.002	-.017			121	94.2		.066	.055	.036		
43	94.2	.076	.073	.065	.047										
E44	2.0	.456	.513	.512	.516			122	3.0	-0.667	-.832	-.922	-.808		
45	6.0	.187	.229	.235	.244			123	10.0	-.397	-.500	-.686	-.671		
46	15.0	-.007	.009	.015	.022			124	25.0	-.350	-.487	-.568	-.595		
47	27.5	-.113	-.124	-.126	-.125			125	41.0	-.312	-.430	-.534	-.671		
48	40.0	-.179	-.213	-.223	-.230			126	52.5	-.142	-.314	-.330	-.605		
49	50.0	-.182	-.218	-.230	-.239			127	62.5	-.185	-.234	-.244	-.302		
50	59.0	-.155	-.187	-.199	-.206			128	72.5	-.098	-.125	-.131	-.102		
51	67.5	-.116	-.152	-.168	-.177			129	78.0	-.043	-.060	-.062	-.044		
52	77.5	-.079	-.067	-.051	-.053			130	85.3	.018	.010	.009	.019		
53	88.5	.133	.136	.125	.126			131	94.1	.070	.067	.069	.075		
54	95.5	.071	.073	.070	.074										
F55	2.0	.474	.523	.520	.523			132	3.0	-.673	-.832	-.870	-.755		
56	6.0	.202	.239	.244	.250			133	10.0	-.401	-.545	-.671	-.662		
57	15.0	.010	.022	.027	.032			134	25.0	-.354	-.474	-.563	-.577		
58	27.5	-.109	-.107	-.110	-.111			135	41.0	-.322	-.439	-.538	-.645		
59	40.0	-.153	-.186	-.195	-.206			136	52.5	-.284	-.371	-.412	-.622		
60	50.0	-.142	-.173	-.131	-.191			137	62.5	-.219	-.271	-.293	-.385		
61	59.0	-.099	-.122	-.113	-.137			138	72.5	-.173	-.207	-.221	-.237		
62	67.5	-.069	-.102	-.101	-.120			139	83.4	-.103	-.110	-.115	-.129		
63	86.5	.117	.115	.115	.124			140	94.0	.028	.016	.016	.034		
64	94.6	.057	.046	.046	.055										
G65	2.0	.484	.526	.524	.529			141	3.0	-.682	-.779	-.780	-.703		
66	6.0	.209	.239	.246	.254			142	10.0	-.404	-.522	-.553	-.540		
67	15.0	.026	.034	.037	.042			143	25.0	-.351	-.459	-.522	-.525		
68	27.5	-.076	-.096	-.182	-.104			144	41.0	-.328	-.426	-.505	-.581		
69	40.0	-.129	-.167	-.182	-.195			145	52.5	-.288	-.366	-.398	-.524		
70	50.0	-.118	-.152	-.162	-.171			146	62.5	-.225	-.283	-.321	-.367		
71	59.0	-.063	-.093	-.105	-.116			147	72.5	-.202	-.240	-.258	-.270		
72	67.5	-.039	-.076	-.093	-.106			148	84.0	-.133	-.159	-.176	-.201		
73	77.5	.220	.238	-.241	.245			149	92.0	-.019	-.037	-.043	-.048		
74	87.2	--	--	--	--										
75	96.8	.073	.059	.053	.061										
H76	2.0	.408	.457	.463	.476			150	3.0	-.567	-.665	-.677	-.628		
77	6.0	.153	.186	.199	.215			151	10.0	-.325	-.372	-.442	-.483		
78	15.0	.003	.010	.017	.028			152	25.0	-.274	-.329	-.336	-.303		
79	27.5	-.100	-.123	-.127	-.126			153	41.0	-.289	-.366	-.407	-.395		
80	40.0	-.151	-.195	-.211	-.223			154	52.5	-.259	-.332	-.377	-.428		
81	50.0	-.153	-.206	-.228	-.252			155	62.5	-.193	-.249	-.277	-.310		
82	59.0	-.102	-.139	-.160	-.177			156	72.5	-.165	-.203	-.221	-.240		
83	67.5	-.020	-.030	-.049	-.052			157	84.9	-.009	-.038	-.050	-.066		
84	88.3	.087	.088	.084	.085										
85	94.2	--	--	--	--										

NACA

TABLE 54

$$\left[\Lambda = -30°,\ \delta_{a_n} = -10.0°,\ \alpha = 0°\right]$$

——— CONFIDENTIAL ———

		UPPER SURFACE								LOWER SURFACE					
		Mach Number								Mach Number					
Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96	Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--	86	3.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--	87	10.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--	88	25.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--	89	41.0	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--	90	52.5	-0.114	-0.131	-0.134	-0.112	-0.241	-0.641
6	50.0	-0.210	-0.240	-0.236	-0.212	-0.639	-0.654	91	62.5	-.068	-.070	-.069	-.053	-.070	-.488
7	59.0	-.171	-.176	-.177	-.128	-.407	-.769	92	72.5	-.018	-.013	-.012	.004	.012	-.186
8	67.5	-.101	-.100	-.100	-.061	-.199	-.679	93	84.0	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--	94	94.0	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--								
11	96.0	--	--	--	--	--	--								
B12	2.0	-.007	.054	.093	.131	.164	.186	95	3.0	-.282	-.446	-.495	-.466	-.393	-.313
13	6.0	-.178	-.195	-.180	-.143	-.107	-.077	96	10.0	-.214	-.327	-.490	-.576	-.534	-.455
14	15.0	-.244	-.318	-.364	-.377	-.334	-.310	97	25.0	-.223	-.307	-.380	-.562	-.580	-.519
15	27.5	-.289	-.381	-.502	-.522	-.491	-.454	98	41.0	-.214	-.271	-.293	-.450	-.641	-.594
16	40.0	-.299	-.379	-.458	-.641	-.628	-.589	99	52.5	-.177	-.220	-.205	-.100	-.614	-.680
17	50.0	-.276	-.333	-.385	-.590	-.693	-.684	100	62.5	-.108	-.117	-.124	-.082	-.343	-.667
18	59.0	-.234	-.279	-.245	-.438	-.715	-.758	101	72.5	-.023	-.025	-.026	-.004	-.074	-.311
19	67.5	-.150	-.166	-.155	-.087	-.614	-.746	102	86.3	.061	.069	.072	.089	.090	-.165
20	77.5	-.075	-.072	-.068	-.031	-.156	-.444	103	94.5	.129	.140	.139	.153	.175	.007
21	88.0	.040	.043	.045	.068	.083	-.169								
22	95.3	--	--	--	--	--	--								
C23	2.0	.089	.157	.192	.223	.250	.270	104	3.0	-.201	-.277	-.305	-.276	-.228	-.156
24	6.0	-.095	-.070	-.048	-.021	.009	.034	105	10.0	-.211	-.297	-.352	-.354	-.300	-.237
25	15.0	-.211	-.238	-.234	-.216	-.186	-.154	106	25.0	-.229	-.320	-.398	-.443	-.437	-.383
26	27.5	-.280	-.355	-.389	-.378	-.358	-.326	107	41.0	-.216	-.292	-.351	-.490	-.521	-.465
27	40.0	-.309	-.402	-.494	-.537	-.513	-.482	108	52.5	-.191	-.250	-.302	-.443	-.636	-.618
28	50.0	-.264	-.325	-.415	-.577	-.612	-.623	109	62.5	-.144	-.203	-.176	-.151	-.586	-.586
29	59.0	-.249	-.314	-.402	-.535	-.661	-.702	110	72.5	-.013	-.030	-.035	-.012	-.185	-.451
30	67.5	-.193	-.252	-.187	-.406	-.577	-.615	111	85.1	.047	.046	.045	.064	.002	-.112
31	77.5	-.079	-.084	-.086	-.085	-.294	-.297	112	94.6	.113	.114	.113	.124	.066	-.046
32	88.0	.031	.034	.033	.036	-.062	-.160								
33	95.3	--	--	--	--	--	--								
D34	2.0	.100	.162	.187	.201	.222	.240	113	3.0	-.214	-.285	-.311	-.298	-.253	-.190
35	15.0	-.188	-.202	-.201	-.193	-.176	-.151	114	10.0	-.191	-.259	-.289	-.283	-.251	-.200
36	27.5	-.250	-.300	-.319	-.331	-.326	-.302	115	25.0	-.229	-.316	-.377	-.414	-.407	-.360
37	40.0	-.299	-.375	-.422	-.453	-.477	-.454	116	41.0	-.231	-.316	-.381	-.511	-.521	-.475
38	50.0	-.285	-.359	-.415	-.470	-.551	-.571	117	52.5	-.197	-.264	-.312	-.429	-.603	-.566
39	59.0	-.198	-.241	-.316	-.393	-.456	-.531	118	62.5	-.134	-.177	-.195	-.183	-.495	-.518
40	67.5	--	--	--	--	--	--	119	72.5	-.042	-.061	-.073	-.086	-.111	-.113
41	77.5	-.049	-.058	-.074	-.124	-.188	-.154	120	87.4	.054	.045	.031	.021	-.016	-.017
42	87.5	.008	.001	-.008	-.037	-.092	-.080	121	94.2	.086	.081	.072	.068	.012	.022
43	94.2	.070	.067	.058	.038	-.017	-.009								
E44	2.0	.144	.210	.239	.263	.278	.275	122	3.0	-.191	-.235	-.251	-.245	-.208	-.121
45	6.0	-.047	-.019	.000	.020	.034	.042	123	10.0	-.191	-.244	-.265	-.263	-.241	-.166
46	15.0	-.164	-.175	-.172	-.164	-.157	-.151	124	25.0	-.230	-.309	-.360	-.387	-.384	-.331
47	27.5	-.224	-.262	-.275	-.278	-.284	-.293	125	41.0	-.240	-.321	-.377	-.466	-.501	-.455
48	40.0	-.260	-.314	-.339	-.354	-.379	-.430	126	52.5	-.194	-.256	-.303	-.383	-.476	-.533
49	50.0	-.241	-.288	-.313	-.329	-.348	-.448	127	62.5	-.151	-.202	-.251	-.331	-.447	-.481
50	59.0	-.199	-.240	-.264	-.281	-.302	-.405	128	72.5	-.080	-.084	-.058	-.021	-.144	-.467
51	67.5	-.166	-.215	-.245	-.262	-.260	-.191	129	78.0	-.013	-.021	-.017	-.010	.025	-.381
52	77.5	-.034	-.052	-.065	-.076	-.093	-.111	130	85.3	.047	.047	.052	.056	.075	-.036
53	88.5	.111	.106	.098	.095	.093	.053	131	94.1	.090	.094	.098	.100	.103	.089
54	95.5	.066	.062	.058	.058	.056	.037								
F55	2.0	.168	.222	.245	.265	.276	.276	132	3.0	-.234	-.267	-.275	-.268	-.225	-.135
56	6.0	-.024	-.004	.009	.025	.038	.044	133	10.0	-.206	-.248	-.260	-.251	-.220	-.151
57	15.0	-.143	-.155	-.156	-.150	-.146	-.141	134	25.0	-.244	-.312	-.350	-.375	-.379	-.328
58	27.5	-.197	-.235	-.251	-.259	-.273	-.284	135	41.0	-.257	-.337	-.391	-.451	-.475	-.431
59	40.0	-.226	-.276	-.301	-.317	-.348	-.420	136	52.5	-.241	-.308	-.354	-.416	-.501	-.536
60	50.0	-.197	-.234	-.253	-.264	-.286	-.382	137	62.5	-.197	-.254	-.298	-.357	-.443	-.503
61	59.0	-.149	-.191	-.215	-.232	-.259	-.370	138	72.5	-.170	-.222	-.257	-.299	-.407	-.485
62	67.5	-.129	-.154	-.156	-.156	-.101	-.082	139	83.4	-.159	-.219	-.134	-.119	-.129	-.367
63	86.5	.107	.113	.105	.111	.114	.095	140	94.0	.047	.053	.054	.057	.056	.002
64	94.6	.070	.068	.064	.064	.061	.045								
G65	2.0	.201	.237	.255	.273	.289	.294	141	3.0	-.216	-.214	-.203	-.182	-.143	-.064
66	6.0	-.004	.005	.016	.030	.046	.056	142	10.0	-.220	-.249	-.256	-.250	-.222	-.158
67	15.0	-.113	-.132	-.136	-.135	-.128	-.117	143	25.0	-.250	-.305	-.332	-.346	-.333	-.284
68	27.5	-.173	-.215	-.234	-.247	-.261	-.257	144	41.0	-.267	-.330	-.366	-.405	-.443	-.401
69	40.0	-.197	-.250	-.275	-.297	-.337	-.389	145	52.5	-.251	-.308	-.347	-.375	-.425	-.489
70	50.0	-.166	-.205	-.222	-.236	-.268	-.332	146	62.5	-.216	-.262	-.304	-.337	-.417	-.442
71	59.0	-.111	-.162	-.187	-.206	-.243	-.328	147	72.5	-.199	-.237	-.271	-.306	-.365	-.422
72	67.5	-.097	-.150	-.176	-.189	-.134	-.227	148	84.0	-.169	-.200	-.227	-.219	-.212	-.289
73	77.5	.187	.197	.203	.207	.202	.111	149	92.0	-.003	-.007	-.024	-.024	.024	-.117
74	87.2	--	--	--	--	--	--								
75	96.8	.090	.087	.089	.090	.084	.098								
H76	2.0	.147	.191	.217	.242	.269	.284	150	3.0	-.199	-.202	-.202	-.197	-.180	-.119
77	6.0	-.039	-.026	-.009	.013	.056	.060	151	10.0	-.169	-.173	-.169	-.159	-.139	-.090
78	15.0	-.117	-.131	-.130	-.119	-.102	-.078	152	25.0	-.194	-.217	-.223	-.216	-.198	-.150
79	27.5	-.181	-.221	-.236	-.242	-.238	-.230	153	41.0	-.241	-.291	-.317	-.332	-.314	-.288
80	40.0	-.206	-.261	-.290	-.310	-.324	-.326	154	52.5	-.229	-.279	-.314	-.361	-.377	-.359
81	50.0	-.190	-.246	-.281	-.319	-.366	-.394	155	62.5	-.180	-.160	-.235	-.248	-.309	-.339
82	59.0	-.123	-.161	-.198	-.198	-.246	-.359	156	72.5	-.151	-.178	-.193	-.204	-.215	-.272
83	67.5	-.032	-.053	-.064	-.071	-.079	-.202	157	84.9	.010	-.005	.022	-.023	-.035	-.065
84	88.3	.083	.079	.075	.075	.075	.055								
85	94.2	--	--	--	--	--	--								

NACA

TABLE 55

$$\left[\Lambda = -30°,\ \delta_{a_n} = -10.0°,\ \alpha = 2°\right]$$

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.231	-0.243	-0.197	-0.258	-0.593	-0.738
7	59.0	-.185	-.184	-.152	-.137	-.367	-.828
8	67.5	-.119	-.108	-.084	-.048	-.252	-.686
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.839	-.773	-.586	-.448	-.288	-.190
13	6.0	-.625	-.838	-.707	-.600	-.463	-.374
14	15.0	-.454	-.823	-.832	-.723	-.618	-.510
15	27.5	-.401	-.593	-.857	-.850	-.753	-.669
16	40.0	-.365	-.383	-.769	-.823	-.803	-.725
17	50.0	-.322	-.355	-.403	-.769	-.794	-.777
18	59.0	-.256	-.270	-.141	-.514	-.794	-.844
19	67.5	-.164	-.174	-.107	-.215	-.546	-.795
20	77.5	-.089	-.079	-.041	-.052	-.309	-.517
21	88.0	.031	.037	.053	.103	-.043	-.308
22	95.3	--	--	--	--	--	--
C23	2.0	-.461	-.407	-.302	-.213	-.097	-.018
24	6.0	-.434	-.479	-.420	-.354	-.261	-.188
25	15.0	-.424	-.540	-.523	-.469	-.393	-.323
26	27.6	-.417	-.612	-.631	-.611	-.548	-.481
27	40.0	-.402	-.565	-.722	-.708	-.663	-.591
28	50.0	-.335	-.449	-.617	-.720	-.733	-.673
29	59.0	-.310	-.314	-.635	-.665	-.836	-.800
30	67.5	-.181	-.184	-.136	-.524	-.753	-.713
31	77.5	-.099	-.102	-.071	-.130	-.311	-.347
32	88.0	.017	.019	.027	.007	-.132	-.214
33	95.3	--	--	--	--	--	--
D34	2.0	-.379	-.330	-.263	-.193	-.096	-.019
35	15.0	-.382	-.462	-.467	-.434	-.371	-.308
36	27.5	-.382	-.499	-.543	-.543	-.500	-.438
37	40.0	-.392	-.527	-.601	-.649	-.624	-.564
38	50.0	-.355	-.472	-.558	-.635	-.721	-.663
39	59.0	-.266	-.358	-.439	-.498	-.588	-.565
40	67.5	--	--	--	--	--	--
41	77.5	-.098	-.118	-.141	-.182	-.215	-.416
42	87.5	-.007	-.017	-.037	-.070	-.116	-.078
43	94.2	.060	.056	.042	.012	-.031	.010
E44	2.0	-.326	-.275	-.211	-.146	-.080	-.003
45	6.0	-.337	-.372	-.348	-.304	-.252	-.184
46	15.0	-.354	-.424	-.437	-.418	-.380	-.319
47	27.5	-.353	-.442	-.477	-.501	-.496	-.447
48	40.0	-.354	-.444	-.489	-.521	-.590	-.559
49	50.0	-.313	-.388	-.428	-.458	-.528	-.547
50	59.0	-.267	-.350	-.396	-.435	-.503	-.534
51	67.5	-.191	-.173	-.187	-.179	-.178	-.297
52	77.5	-.080	-.104	-.122	-.134	-.136	-.143
53	88.5	.080	.071	.058	.050	.026	-.045
54	95.5	.054	.046	.036	.131	.011	-.055
F55	2.0	-.287	-.253	-.198	-.139	-.079	-.004
56	6.0	-.316	-.347	-.334	-.300	-.255	-.189
57	15.0	-.326	-.391	-.407	-.399	-.360	-.300
58	27.5	-.323	-.406	-.444	-.475	-.476	-.429
59	49.0	-.317	-.394	-.434	-.464	-.526	-.482
60	50.0	-.269	-.334	-.371	-.402	-.479	-.465
61	59.0	-.229	-.315	-.355	-.381	-.395	-.376
62	67.5	-.047	-.051	-.047	-.041	-.087	-.270
63	86.5	.087	.076	.073	.078	.070	-.065
64	94.6	.058	.053	.047	.049	.055	.012
G65	2.0	-.217	-.197	-.155	-.105	-.056	.014
66	6.0	-.276	-.311	-.301	-.274	-.237	-.177
67	15.0	-.281	-.343	-.365	-.361	-.328	-.271
68	27.5	-.286	-.361	-.401	-.431	-.429	-.381
69	40.0	-.279	-.350	-.383	-.418	-.465	-.459
70	50.0	-.229	-.287	-.320	-.355	-.417	-.402
71	59.0	-.186	-.264	-.304	-.343	-.415	-.402
72	67.5	.003	.005	-.015	-.014	-.113	-.346
73	77.5	.150	.156	.159	.162	.129	-.128
74	87.2	--	--	--	--	--	--
75	96.8	.088	.092	.085	.093	.098	.113
H76	2.0	-.203	-.173	-.130	-.080	-.035	.028
77	6.0	-.271	-.293	-.274	-.241	-.206	-.151
78	15.0	-.253	-.296	-.306	-.293	-.262	-.214
79	27.5	-.269	-.333	-.361	-.385	-.378	-.334
80	40.0	-.263	-.336	-.375	-.396	-.441	-.422
81	50.0	-.230	-.294	-.336	-.395	-.444	-.465
82	59.0	-.151	-.192	-.217	-.238	-.325	-.424
83	67.5	-.053	-.076	-.091	-.098	-.118	-.245
84	88.3	.070	.063	.057	.058	.055	.021
85	94.2	--	--	--	--	--	--

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.084	-0.113	-0.127	-0.130	-0.173	-0.594
91	62.5	-.049	-.052	-.052	-.052	-.051	-.367
92	72.5	-.003	-.001	.000	.002	.001	-.117
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.226	.203	.158	.124	.068	.075
96	10.0	.036	.004	-.031	-.062	-.103	-.087
97	25.0	-.102	-.155	-.199	-.257	-.310	-.287
98	41.0	-.145	-.195	-.230	-.282	-.488	-.478
99	52.5	-.128	-.166	-.189	-.217	-.439	-.570
100	62.5	-.076	-.096	-.107	-.111	-.194	-.523
101	72.5	-.002	-.005	-.006	-.005	.001	-.214
102	86.3	.073	.081	.085	.090	.083	-.134
103	94.5	.135	.146	.151	.161	.146	-.031
104	3.0	.205	.204	.181	.165	.140	.148
105	10.0	.024	.010	-.011	-.026	-.051	-.032
106	25.0	-.094	-.133	-.164	-.196	-.233	-.210
107	41.0	-.134	-.183	-.222	-.277	-.380	-.368
108	52.5	-.131	-.174	-.204	-.250	-.396	-.494
109	62.5	-.086	-.120	-.149	-.197	-.337	-.424
110	72.5	-.042	-.077	-.043	-.012	-.112	-.123
111	85.1	.070	.071	.068	.065	.008	-.096
112	94.6	.130	.138	.138	.133	.072	-.055
113	3.0	.162	.159	.143	.133	.110	.118
114	10.0	.023	.011	-.003	-.011	-.024	-.005
115	25.0	-.099	-.138	-.165	-.192	-.220	-.201
116	41.0	-.147	-.198	-.235	-.279	-.376	-.364
117	52.5	-.132	-.180	-.212	-.252	-.367	-.451
118	62.5	-.094	-.130	-.160	-.193	-.304	-.396
119	72.5	-.019	-.031	-.045	-.060	-.069	-.045
120	87.4	.073	.070	.061	.047	.005	.013
121	94.2	.096	.094	.086	.067	.026	.035
122	3.0	.173	.187	.176	.171	.174	.178
123	10.0	.017	.017	.005	-.002	.008	.019
124	25.0	-.107	-.136	-.162	-.182	-.193	-.183
125	41.0	-.157	-.202	-.237	-.277	-.335	-.344
126	52.5	-.131	-.170	-.200	-.230	-.306	-.423
127	62.5	-.104	-.135	-.159	-.185	-.248	-.384
128	72.5	-.056	-.092	-.120	-.145	-.177	-.364
129	78.0	-.024	-.028	-.017	.000	.028	-.129
130	85.3	.074	.029	.079	.077	.078	.056
131	94.1	.106	-.001	.110	.107	.098	.074
132	3.0	.137	.158	.151	.150	.159	.168
133	10.0	.001	-.006	-.001	.000	.009	.024
134	25.0	-.120	-.145	-.165	-.178	-.179	-.168
135	41.0	-.174	-.218	-.253	-.287	-.319	-.323
136	52.5	-.180	-.225	-.258	-.293	-.361	-.436
137	62.5	-.151	-.186	-.214	-.242	-.295	-.408
138	72.5	-.134	-.162	-.185	-.210	-.263	-.369
139	83.4	-.151	-.187	-.208	-.211	-.232	-.311
140	94.0	.043	.045	.042	.043	.047	-.008
141	3.0	.133	.169	.172	.180	.197	.211
142	10.0	-.024	-.012	-.015	-.010	.006	.025
143	25.0	-.134	-.152	-.168	-.176	-.172	-.153
144	41.0	-.193	-.229	-.254	-.273	-.306	-.302
145	52.5	-.199	-.235	-.261	-.285	-.314	-.398
146	62.5	-.176	-.207	-.232	-.264	-.279	-.372
147	72.5	-.169	-.195	-.213	-.227	-.251	-.312
148	84.0	-.159	-.192	-.227	-.234	-.260	-.278
149	92.0	.004	.000	-.030	-.042	-.048	-.075
150	3.0	.108	.141	.141	.150	.030	.185
151	10.0	-.007	.015	.019	.030	.052	.074
152	25.0	-.106	-.107	-.112	-.107	-.088	-.065
153	41.0	-.187	-.216	-.237	-.247	-.242	-.223
154	52.5	-.191	-.230	-.258	-.293	-.318	-.304
155	62.5	-.156	-.178	-.192	-.207	-.254	-.306
156	72.5	-.140	-.161	-.178	-.185	-.189	-.261
157	84.9	.020	.012	.008	-.003	-.011	-.045

NACA

TABLE 56

$$\left[\Lambda = -30°, \delta_{a_n} = -10.0°, \alpha = 4°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.227	-0.252	-0.505	-0.481	-0.432	-0.803
7	59.0	-.192	-.173	-.435	-.452	-.398	-.793
8	67.5	-.132	-.112	-.351	-.404	-.367	-.511
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.769	-1.274	-1.109	-.881	-.700	-.570
13	6.0	-1.019	-1.175	-1.001	-.934	-.818	-.696
14	15.0	-.766	-.928	-.681	-.782	-.869	-.784
15	27.5	-.523	-.654	-.598	-.691	-.935	-.858
16	40.0	-.428	-.625	-.510	-.629	-.905	-.856
17	50.0	-.363	-.458	-.444	-.481	-.811	-.886
18	59.0	-.280	-.315	-.382	-.423	-.685	-.939
19	67.5	-.177	-.203	-.288	-.354	-.560	-.888
20	77.5	-.093	-.098	-.196	-.279	-.438	-.658
21	88.0	.017	.012	-.072	-.176	-.244	-.470
22	95.3	--	--	--	--	--	--
C23	2.0	-1.222	-.950	-.725	-.563	-.425	-.324
24	6.0	-.895	-1.051	-.862	-.721	-.590	-.485
25	15.0	-.641	-.942	-.866	-.751	-.634	-.537
26	27.5	-.556	-.856	-.893	-.819	-.720	-.632
27	40.0	-.493	-.701	-.808	-.835	-.808	-.731
28	50.0	-.405	-.450	-.599	-.714	-.794	-.789
29	59.0	-.332	-.368	-.409	-.733	-.882	-.827
30	67.5	-.220	-.239	-.157	-.584	-.814	-.761
31	77.5	-.120	-.124	-.098	-.081	-.331	-.387
32	88.0	-.004	-.014	-.005	-.027	-.227	-.308
33	95.3	--	--	--	--	--	--
D34	2.0	-1.025	-.880	-.680	-.537	-.413	-.319
35	15.0	-.591	-.779	-.787	-.692	-.586	-.496
36	27.5	-.513	-.705	-.810	-.755	-.667	-.589
37	40.0	-.483	-.676	-.820	-.858	-.780	-.702
38	50.0	-.416	-.569	-.760	-.842	-.782	-.740
39	59.0	-.312	-.471	-.412	-.640	-.681	-.665
40	67.5	--	--	--	--	--	--
41	77.5	-.130	-.149	-.147	-.259	-.475	-.591
42	87.5	-.029	-.034	-.025	-.066	-.101	-.270
43	94.2	.036	.025	.043	.007	-.007	.040
E44	2.0	-.984	-.889	-.732	-.582	-.457	-.302
45	6.0	-.725	-.969	-.863	-.730	-.616	-.466
46	15.0	-.558	-.760	-.833	-.731	-.633	-.501
47	27.5	-.480	-.643	-.823	-.787	-.710	-.597
48	40.0	-.443	-.559	-.743	-.761	-.748	-.660
49	50.0	-.373	-.451	-.560	-.741	-.707	-.605
50	59.0	-.297	-.353	-.340	-.494	-.651	-.609
51	67.5	-.213	-.254	-.281	-.241	-.295	-.484
52	77.5	-.113	-.138	-.154	-.142	-.168	-.317
53	88.5	.020	.014	.013	-.034	-.124	-.226
54	95.5	.031	.024	.019	-.035	-.144	-.159
F55	2.0	-.910	-.871	-.731	-.591	-.461	-.301
56	6.0	-.672	-.913	-.831	-.707	-.592	-.447
57	15.0	-.525	-.700	-.813	-.721	-.629	-.501
58	27.5	-.445	-.600	-.762	-.760	-.687	-.581
59	49.0	-.399	-.525	-.673	-.721	-.668	-.570
60	50.0	-.323	-.390	-.457	-.590	-.502	-.561
61	59.0	-.230	-.267	-.261	-.414	-.463	-.519
62	67.5	-.120	-.137	-.142	-.183	-.341	-.500
63	86.5	.057	.051	.045	.040	-.054	-.068
64	94.6	.048	.044	.029	.034	-.017	-.034
G65	2.0	-.785	-.794	-.682	-.552	-.334	-.287
66	6.0	-.602	-.807	-.800	-.687	-.577	-.442
67	15.0	-.465	-.628	-.729	-.681	-.597	-.479
68	27.5	-.405	-.536	-.660	-.666	-.625	-.534
69	40.0	-.360	-.476	-.574	-.594	-.546	-.526
70	50.0	-.297	-.390	-.516	-.581	-.537	-.495
71	59.0	-.163	-.182	-.182	-.432	-.527	-.511
72	67.5	-.063	-.074	-.077	-.085	-.360	-.436
73	77.5	.040	-.114	.103	.114	-.033	-.319
74	87.2	--	--	--	--	--	--
75	96.8	.083	.078	.063	.090	.098	.133
H76	2.0	-.653	-.674	-.614	-.503	-.396	-.261
77	6.0	-.539	-.645	-.689	-.607	-.514	-.397
78	15.0	-.400	-.495	-.522	-.507	-.474	-.387
79	27.5	-.357	-.458	-.555	-.531	-.488	-.422
80	40.0	-.322	-.419	-.476	-.551	-.545	-.503
81	50.0	-.272	-.351	-.429	-.487	-.555	-.531
82	59.0	-.180	-.230	-.270	-.307	-.434	-.472
83	67.5	-.077	-.107	-.133	-.135	-.186	-.331
84	88.3	.058	.047	.052	.030	.022	-.014
85	94.2	--	--	--	--	--	--

LOWER SURFACE

Tube	Percent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.054	-0.081	-0.119	-0.159	-0.211	-0.427
91	62.5	-.030	-.041	-.069	-.094	-.098	-.314
92	72.5	.008	.007	-.025	-.055	-.058	-.131
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.556	.516	.482	.440	.396	.388
96	10.0	.241	.216	.188	.158	.130	.131
97	25.0	.010	-.032	-.066	-.111	-.155	-.154
98	41.0	-.077	-.124	-.165	-.225	-.319	-.327
99	52.5	-.082	-.120	-.157	-.208	-.331	-.378
100	62.5	-.046	-.070	-.099	-.133	-.232	-.339
101	72.5	.016	.007	-.016	-.039	-.069	-.184
102	86.3	.080	.082	.057	.036	.018	-.144
103	94.5	.133	.139	.104	.076	.063	-.077
104	3.0	.502	.487	.466	.436	.408	.404
105	10.0	.227	.220	.204	.181	.159	.165
106	25.0	.033	.010	-.012	-.041	-.068	-.062
107	41.0	-.057	-.090	-.125	-.169	-.222	-.237
108	52.5	-.075	-.114	-.147	-.198	-.281	-.277
109	62.5	-.046	-.072	-.099	-.140	-.225	-.240
110	72.5	.006	-.022	-.051	-.097	-.173	-.186
111	85.1	.087	.100	.080	.061	.000	-.049
112	94.6	.136	.137	.133	.112	.031	-.029
113	3.0	.447	.438	.421	.394	.368	.364
114	10.0	.210	.208	.198	.180	.162	.170
115	25.0	.024	.006	-.012	-.037	-.065	-.057
116	41.0	-.062	-.096	-.123	-.163	-.216	-.238
117	52.5	-.070	-.107	-.134	-.178	-.227	-.280
118	62.5	-.043	-.068	-.097	-.131	-.180	-.196
119	72.5	.004	-.009	-.015	-.043	-.076	-.044
120	87.4	.081	.123	.089	.071	.034	.049
121	94.2	.104	.102	.092	.071	.038	.059
122	3.0	.454	.466	.469	.455	.441	.402
123	10.0	.203	.216	.222	.221	.372	.185
124	25.0	.016	.008	.003	-.010	-.023	-.049
125	41.0	-.070	-.097	-.114	-.140	-.176	-.219
126	52.5	-.067	-.095	-.113	-.139	-.176	-.274
127	62.5	-.059	-.081	-.099	-.120	-.157	-.258
128	72.5	-.014	-.032	-.046	-.066	-.102	-.201
129	78.0	.014	-.001	-.014	-.037	-.071	-.170
130	85.3	.048	.042	.052	.055	.037	.055
131	94.1	.116	.125	.126	.117	.089	.100
132	3.0	.427	.446	.453	.443	.430	.394
133	10.0	.188	.209	.217	.213	.209	.187
134	25.0	.003	.000	-.003	-.010	-.018	-.038
135	41.0	-.089	-.113	-.127	-.147	-.170	-.208
136	52.5	-.116	-.148	-.167	-.195	-.232	-.286
137	62.5	-.104	-.133	-.152	-.171	-.212	-.286
138	72.5	-.099	-.124	-.142	-.163	-.195	-.268
139	83.4	-.153	-.078	-.177	-.193	-.228	-.340
140	94.0	.043	.041	.036	.024	-.002	-.066
141	3.0	.406	.442	.455	.453	.448	.423
142	10.0	.156	.185	.197	.200	.200	.186
143	25.0	-.020	-.017	-.014	-.015	-.019	-.030
144	41.0	-.114	-.132	-.141	-.152	-.167	-.202
145	52.5	-.139	-.163	-.177	-.193	-.211	-.286
146	62.5	-.130	-.170	-.142	-.141	-.176	-.242
147	72.5	-.140	-.163	-.178	-.186	-.204	-.205
148	84.0	-.140	-.180	-.207	-.227	-.261	-.311
149	92.0	.013	.005	-.002	-.011	-.020	-.034
150	3.0	.337	.406	.425	.429	.429	.407
151	10.0	.144	.183	.201	.212	.221	.218
152	25.0	-.013	.002	.020	.022	.028	.032
153	41.0	-.126	-.141	-.148	-.152	-.152	-.148
154	52.5	-.150	-.179	-.198	-.214	-.240	-.247
155	62.5	-.126	-.147	-.163	-.176	-.200	-.254
156	72.5	-.127	-.152	-.169	-.159	-.191	-.233
157	84.9	.026	.020	.008	.004	-.004	-.030

NACA

TABLE 57

$$\left[\Lambda = -30°,\ \delta_{a_n} = -10.0°,\ a = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.471	-0.561	-0.564	-0.572	-0.610	-0.636
7	59.0	-.392	-.560	-.575	-.585	-.620	-.559
8	67.5	-.313	-.532	-.565	-.582	-.617	-.495
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.681	-1.429	-1.279	-1.153	-1.097	-.998
13	6.0	-.691	-1.316	-1.152	-1.082	-.979	-.982
14	15.0	-.699	-.506	-.499	-.517	-.716	-.980
15	27.5	-.731	-.492	-.513	-.529	-.585	-1.058
16	40.0	-.664	-.504	-.517	-.538	-.606	-1.039
17	50.0	-.562	-.508	-.518	-.531	-.611	-.955
18	59.0	-.496	-.503	-.521	-.531	-.564	-.875
19	67.5	-.397	-.447	-.487	-.493	-.498	-.792
20	77.5	-.295	-.352	-.404	-.420	-.388	-.786
21	88.0	-.148	-.208	-.247	-.262	-.291	-.657
22	95.3	--	--	--	--	--	--
C23	2.0	-1.480	-1.471	-1.217	-1.009	-.841	-.710
24	6.0	-1.311	-1.410	-1.206	-1.049	-.908	-.792
25	15.0	-.830	-1.290	-1.106	-1.017	-.911	-.808
26	27.5	-.608	-.795	-.975	-.955	-.928	-.860
27	40.0	-.547	-.527	-.652	-.807	-.873	-.887
28	50.0	-.461	-.410	-.544	-.664	-.809	-.853
29	59.0	-.397	-.342	-.437	-.549	-.701	-.866
30	67.5	-.279	-.272	-.366	-.452	-.619	-.818
31	77.5	-.187	-.214	-.332	-.352	-.614	-.760
32	88.0	-.071	-.112	-.186	-.266	-.486	-.624
33	95.3	--	--	--	--	--	--
D34	2.0	-2.000	-1.377	-1.116	-.912	-.759	-.646
35	15.0	-.796	-1.299	-1.120	-.981	-.864	-.762
36	27.5	-.628	-1.191	-1.086	-1.002	-.903	-.811
37	40.0	-.544	-.773	-1.058	-.980	-.954	-.875
38	50.0	-.450	-.511	-.911	-.884	-.917	-.849
39	59.0	-.328	-.345	-.515	-.781	-.800	-.771
40	67.5	--	--	--	--	--	--
41	77.5	-.140	-.105	-.115	-.136	-.516	-.612
42	87.5	-.059	-.041	-.076	-.125	-.171	-.244
43	94.2	-.030	-.004	-.059	-.124	-.183	-.160
E44	2.0	-1.947	-1.424	-1.173	-1.003	-.839	-.663
45	6.0	-1.581	-1.438	-1.216	-1.061	-.914	-.759
46	15.0	-.823	-1.332	-1.164	-1.034	-.904	-.768
47	27.5	-.621	-1.255	-1.082	-1.008	-.931	-.812
48	40.0	-.518	-.753	-1.021	-.965	-.873	-.772
49	50.0	-.413	-.477	-.863	-.889	-.860	-.765
50	59.0	-.313	-.302	-.500	-.634	-.714	-.678
51	67.5	-.225	-.204	-.176	-.250	-.311	-.493
52	77.5	-.134	-.115	-.166	-.222	-.244	-.273
53	88.5	-.067	-.036	-.147	-.223	-.283	-.294
54	95.5	-.051	-.031	-.135	-.230	-.298	-.325
F55	2.0	-2.044	-1.425	-1.174	-1.003	-.840	-.663
56	6.0	-1.170	-1.410	-1.188	-1.033	-.887	-.736
57	15.0	-.781	-1.326	-1.153	-1.025	-.893	-.758
58	27.5	-.589	-1.205	-1.084	-.977	-.884	-.782
59	49.0	-.478	-.533	-.822	-.738	-.762	-.734
60	50.0	-.367	-.414	-.537	-.495	-.468	-.476
61	59.0	-.255	-.273	-.508	-.503	-.480	-.462
62	67.5	-.151	-.167	-.432	-.491	-.484	-.478
63	86.5	-.019	.013	-.028	-.378	-.496	-.490
64	94.6	.011	.034	.035	-.217	-.390	-.436
G65	2.0	-1.939	-1.391	-1.148	-.980	-.820	-.642
66	6.0	-.941	-1.380	-1.163	-1.008	-.869	-.724
67	15.0	-.697	-1.224	-1.115	-.990	-.868	-.738
68	27.5	-.541	-1.164	-1.023	-.902	-.836	-.770
69	40.0	-.441	-.554	-.955	-.889	-.798	-.707
70	50.0	-.334	-.357	-.687	-.835	-.798	-.703
71	59.0	-.205	-.226	-.378	-.700	-.744	-.718
72	67.5	-.100	-.104	-.129	-.472	-.686	-.653
73	77.5	.001	.032	.070	.159	-.187	-.548
74	87.2	--	--	--	--	--	--
75	96.8	.054	.066	.077	.088	.103	.128
H76	2.0	-1.526	-1.288	-1.062	-.904	-.763	-.608
77	6.0	-.851	-1.274	-1.083	-.942	-.810	-.672
78	15.0	-.594	-1.052	-1.002	-.901	-.796	-.680
79	27.5	-.485	-.650	-.735	-.786	-.743	-.656
80	40.0	-.401	-.542	-.673	-.690	-.658	-.610
81	50.0	-.363	-.437	-.579	-.656	-.646	-.617
82	59.0	-.219	-.285	-.349	-.481	-.559	-.551
83	67.5	-.118	-.162	-.194	-.235	-.314	-.411
84	88.3	.033	.007	-.009	-.022	-.042	-.080
85	94.2	--	--	--	--	--	--

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.041	-0.098	-0.138	-0.182	-0.234	-0.316
91	62.5	-.033	-.080	-.109	-.136	-.153	-.217
92	72.5	-.013	-.062	-.093	-.116	-.131	-.106
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.717	.738	.716	.686	.666	.665
96	10.0	.387	.396	.379	.355	.344	.351
97	25.0	.107	.084	.059	.030	.010	.026
98	41.0	-.019	-.064	-.098	-.141	-.184	-.175
99	52.5	-.048	-.097	-.134	-.179	-.246	-.258
100	62.5	-.035	-.077	-.109	-.143	-.186	-.248
101	72.5	.008	-.028	-.054	-.076	-.092	-.147
102	86.3	.041	.003	-.020	-.034	-.040	-.075
103	94.5	.057	.006	-.021	-.043	-.053	-.054
104	3.0	.712	.698	.684	.661	.647	.651
105	10.0	.410	.409	.397	.379	.369	.380
106	25.0	.158	.150	.135	.113	.102	.118
107	41.0	.017	-.007	-.032	-.066	-.092	-.077
108	52.5	-.023	-.058	-.092	-.135	-.179	-.172
109	62.5	-.019	-.049	-.081	-.120	-.168	-.179
110	72.5	.021	.000	-.026	-.057	-.097	-.115
111	85.1	.060	.050	.032	.021	.016	.042
112	94.6	.090	.084	.075	.072	.079	-.001
113	3.0	.684	.659	.644	.623	.607	.609
114	10.0	.406	.401	.390	.373	.363	.374
115	25.0	.162	.155	.141	.121	.108	.123
116	41.0	.034	.015	-.009	-.039	-.063	-.049
117	52.5	-.003	-.027	-.055	-.092	-.123	-.108
118	62.5	-.003	-.024	-.052	-.093	-.130	-.115
119	72.5	.036	.027	-.001	-.037	-.067	-.054
120	87.4	.086	.097	.075	.052	.026	.034
121	94.2	.077	.094	.060	.014	-.018	-.012
122	3.0	.695	.684	.676	.669	.659	.636
123	10.0	.407	.412	.407	.405	.399	.384
124	25.0	.164	.163	.156	.150	.142	.127
125	41.0	.036	.021	.006	-.007	-.024	-.056
126	52.5	.010	-.009	-.027	-.043	-.063	-.103
127	62.5	-.006	-.023	-.043	-.064	-.089	-.140
128	72.5	.021	.009	-.009	-.032	-.055	-.117
129	78.0	.038	.034	.015	-.009	-.029	-.088
130	85.3	.077	.090	.077	.047	.026	.009
131	94.1	.100	.127	.106	.060	.047	.058
132	3.0	.682	.675	.667	.661	.652	.633
133	10.0	.397	.405	.405	.403	.399	.387
134	25.0	.151	-.044	.151	.150	.146	.135
135	41.0	.020	.008	-.003	-.012	-.023	-.042
136	52.5	-.036	-.055	-.072	-.087	-.106	-.141
137	62.5	-.048	-.068	-.087	-.100	-.119	-.172
138	72.5	-.064	-.084	-.104	-.116	-.135	-.172
139	83.4	-.145	-.158	-.180	-.194	-.240	-.370
140	94.0	.024	.073	.032	.017	-.031	-.096
141	3.0	.665	.671	.669	.667	.665	.650
142	10.0	.364	.387	.389	.390	.391	.382
143	25.0	.128	.143	.141	.143	.143	.136
144	41.0	-.009	-.013	-.020	-.025	-.029	-.044
145	52.5	-.057	-.072	-.084	-.092	-.100	-.123
146	62.5	-.067	-.196	-.098	-.110	-.115	-.117
147	72.5	-.101	-.123	-.138	-.111	-.151	-.142
148	84.0	-.121	-.266	-.186	-.296	-.257	-.390
149	92.0	-.004	-.003	-.010	.003	-.003	-.028
150	3.0	.635	.659	.660	.660	.661	.650
151	10.0	.337	.377	.384	.391	.399	.399
152	25.0	.112	.143	.149	.156	.167	.173
153	41.0	-.034	-.035	-.039	-.039	-.034	-.029
154	52.5	-.084	-.103	-.116	-.125	-.131	-.143
155	62.5	-.080	-.100	-.116	-.126	-.130	-.136
156	72.5	-.100	-.134	-.152	-.160	-.164	-.163
157	84.9	.023	.007	-.007	-.015	-.024	-.044

NACA

TABLE 58

$$\left[\Lambda = -30°, \delta_{a_n} = -5.0°, \alpha = -2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	Mach Number			
		0.60	0.80	0.85	0.89
A 1	2.0	--	--	--	--
2	6.0	--	--	--	--
3	15.0	--	--	--	--
4	27.5	--	--	--	--
5	40.0	--	--	--	--
6	50.0	-0.181	-0.221	-0.236	-0.228
7	59.0	-.153	-.175	-.173	-.141
8	67.5	-.100	-.083	-.082	-.071
9	77.5	--	--	--	--
10	87.5	--	--	--	--
11	96.0	--	--	--	--
B12	2.0	.457	.485	.477	.476
13	6.0	.139	.152	.150	.151
14	15.0	-.079	-.105	-.134	-.135
15	27.5	-.184	-.250	-.293	-.334
16	40.0	-.236	-.309	-.369	-.463
17	50.0	-.236	-.292	-.334	-.420
18	59.0	-.200	-.246	-.278	-.374
19	67.5	-.144	-.157	-.159	-.105
20	77.5	-.052	-.067	-.063	-.038
21	88.0	.047	.046	.049	.077
22	95.3	--	--	--	--
C23	2.0	.435	.479	.484	.491
24	6.0	.155	.191	.198	.208
25	15.0	-.039	-.036	-.036	-.025
26	27.5	-.163	-.198	-.216	-.219
27	40.0	-.232	-.297	-.345	-.382
28	50.0	-.238	-.257	-.346	-.426
29	59.0	-.207	-.258	-.299	-.383
30	67.5	-.150	-.199	-.241	-.306
31	77.5	-.069	-.074	-.074	-.074
32	88.0	.037	.044	.040	.061
33	95.3	--	--	--	--
D34	2.0	.373	.442	.448	.442
35	15.0	-.038	-.030	-.025	-.017
36	27.5	-.147	-.171	-.180	-.180
37	40.0	-.222	-.275	-.303	-.326
38	50.0	-.229	-.286	-.324	-.367
39	59.0	-.186	-.186	-.273	-.303
40	67.5	--	--	--	--
41	77.5	-.105	-.102	-.079	-.092
42	87.5	.018	.014	.005	-.003
43	94.2	.074	.074	.068	.061
E44	2.0	.398	.454	.463	.475
45	6.0	.137	.178	.191	.202
46	15.0	-.050	-.040	-.036	-.022
47	27.5	-.149	-.169	-.176	-.175
48	40.0	-.214	-.257	-.279	-.294
49	50.0	-.213	-.259	-.285	-.302
50	59.0	-.184	-.224	-.245	-.261
51	67.5	-.141	-.183	-.209	-.226
52	77.5	-.090	-.071	-.071	-.070
53	88.5	.134	.136	.131	.123
54	95.5	.068	.070	.075	.068
F55	2.0	.410	.458	.471	.478
56	6.0	.146	.182	.193	.203
57	15.0	-.036	-.027	-.022	-.015
58	27.5	-.137	-.156	-.163	-.166
59	49.0	-.200	-.238	-.260	-.278
60	50.0	-.191	-.232	-.258	-.272
61	59.0	-.154	-.185	-.205	-.215
62	67.5	-.113	-.153	-.175	-.190
63	86.5	.067	.067	.057	.071
64	94.6	.051	.046	.041	.043
G65	2.0	.420	.466	.348	.489
66	6.0	.154	.187	.199	.211
67	15.0	-.020	-.012	-.009	-.001
68	27.5	-.121	-.143	-.154	-.156
69	40.0	-.180	-.225	-.250	-.269
70	50.0	-.177	-.218	-.243	-.258
71	59.0	-.124	-.157	-.181	-.195
72	67.5	-.090	-.135	-.177	-.178
73	77.5	.121	.140	.147	.141
74	87.2	.087	.098	.086	.090
75	96.8	.078	.089	.066	.065
H76	2.0	.360	.408	.293	.441
77	6.0	.111	.148	.164	.183
78	15.0	-.030	-.021	-.014	-.001
79	27.5	-.131	-.151	-.157	-.153
80	40.0	-.186	-.228	-.250	-.256
81	50.0	-.194	-.245	-.277	-.303
82	59.0	-.151	-.195	-.225	-.247
83	67.5	-.093	-.127	-.155	-.170
84	88.3	.036	.076	.018	.017
85	94.2	--	--		

LOWER SURFACE

Tube	Percent chord	Mach Number			
		0.60	0.80	0.85	0.89
86	3.0	--	--	--	--
87	10.0	--	--	--	--
88	25.0	--	--	--	--
89	41.0	--	--	--	--
90	52.5	-0.124	-0.106	-0.071	-0.059
91	62.5	-.082	-.068	-.040	-.014
92	72.5	-.023	-.013	-.005	.036
93	84.0	--	--	--	--
94	94.0	--	--	--	--
95	3.0	-1.028	-.911	-.959	-.957
96	10.0	-.478	-.765	-.858	-1.006
97	25.0	-.317	-.454	-.665	-.949
98	41.0	-.263	-.296	-.343	-.734
99	52.5	-.196	-.205	-.205	-.247
100	62.5	-.127	-.123	-.116	-.042
101	72.5	-.041	-.030	-.021	.029
102	86.3	.047	.061	.072	.110
103	94.5	.106	.117	.128	.169
104	3.0	-.679	--	-.866	-.739
105	10.0	-.411	-.643	-.798	-.737
106	25.0	-.338	-.481	-.604	-.665
107	41.0	-.272	-.354	-.468	-.644
108	52.5	-.233	-.280	-.280	-.648
109	62.5	-.161	-.180	-.179	-.266
110	72.5	-.056	-.059	-.053	-.028
111	85.1	.034	.038	.041	.074
112	94.6	.097	.098	.104	.123
113	3.0	-.621	-.840	-.840	-.721
114	10.0	-.384	-.568	-.690	-.666
115	25.0	-.328	-.451	-.543	-.632
116	41.0	-.294	-.392	-.475	-.671
117	52.5	-.236	-.303	-.347	-.513
118	62.5	-.153	-.187	-.213	-.209
119	72.5	-.064	-.080	-.090	-.112
120	87.4	.048	.050	.028	.028
121	94.2	.076	.071	.069	.043
122	3.0	-.535	-.703	-.801	-.709
123	10.0	-.358	-.458	-.547	-.580
124	25.0	-.320	-.430	-.512	-.563
125	41.0	-.290	-.384	-.467	-.566
126	52.5	-.221	-.280	-.315	-.482
127	62.5	-.160	-.197	-.214	-.179
128	72.5	-.081	-.103	-.116	-.111
129	78.0	-.029	-.041	-.050	-.042
130	85.3	.031	.024	.020	.022
131	94.1	.000	.073	.071	.076
132	3.0	-.557	.727	-.763	-.674
133	10.0	-.363	.465	-.551	-.564
134	25.0	-.316	-.414	-.502	-.550
135	41.0	-.287	-.380	-.449	-.560
136	52.5	-.247	-.312	-.363	-.465
137	62.5	-.180	-.214	-.237	-.244
138	72.5	-.111	-.137	-.152	-.152
139	83.4	-.043	-.054	-.062	-.061
140	94.0	.046	.044	.042	.048
141	3.0	-.520	-.626	-.660	-.610
142	10.0	-.363	-.452	-.490	-.475
143	25.0	-.310	-.401	-.469	-.501
144	41.0	-.287	-.366	-.419	-.494
145	52.5	-.249	-.308	-.359	-.429
146	62.5	-.170	-.191	-.249	-.268
147	72.5	-.123	-.151	-.176	-.169
148	84.0	-.050	-.071	-.085	-.089
149	92.0	.018	.012	.007	.007
150	3.0	-.477	-.567	-.618	-.663
151	10.0	-.296	-.345	-.387	-.408
152	25.0	-.249	-.297	-.321	-.301
153	41.0	-.293	-.332	-.389	-.382
154	52.5	-.229	-.290	-.340	-.416
155	62.5	-.154	-.195	-.225	-.256
156	72.5	-.097	-.118	-.135	-.145
157	84.9	.037	.026	.015	-.070

NACA

TABLE 59

$$\left[\Lambda = -30°,\ \delta_{a_n} = -5.0°,\ \alpha = 0°\right]$$

CONFIDENTIAL

		UPPER SURFACE								LOWER SURFACE					
Tube	Per-cent chord	Mach Number						Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96			0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--	86	3.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--	87	10.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--	88	25.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--	89	41.0	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--	90	52.5	-0.106	-0.123	-0.123	-0.106	-0.082	-0.505
6	50.0	-0.212	-0.237	-0.230	-0.214	-0.529	-0.657	91	62.5	-.063	-.062	-.060	-.047	-.012	-.224
7	59.0	-.171	-.175	-.173	-.119	-.274	-.659	92	72.5	-.013	-.006	-.002	.010	.048	-.066
8	67.5	-.103	-.100	-.095	-.051	-.116	-.455	93	84.0	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--	94	94.0	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--								
11	96.0	--	--	--	--	--	--								
B12	2.0	-.068	-.001	.032	.099	.135	.172	95	3.0	-.221	-.362	-.406	-.409	-.354	-.288
13	6.0	-.215	-.234	-.224	-.168	-.129	-.085	96	10.0	-.184	-.283	-.370	-.501	-.476	-.419
14	15.0	-.270	-.352	-.415	-.385	-.366	-.313	97	25.0	-.207	-.285	-.340	-.491	-.525	-.490
15	27.5	-.301	-.398	-.523	-.535	-.503	-.461	98	41.0	-.202	-.256	-.280	-.386	-.559	-.572
16	40.0	-.310	-.386	-.470	-.652	-.639	-.593	99	52.5	-.168	-.205	-.213	-.101	-.482	-.637
17	50.0	-.284	-.340	-.382	-.590	-.675	-.685	100	62.5	-.101	-.109	-.106	-.086	-.073	-.588
18	59.0	-.238	-.278	-.232	-.455	-.673	-.747	101	72.5	-.017	-.016	-.014	.001	.037	-.201
19	67.5	-.149	-.165	-.151	-.080	-.407	-.712	102	86.3	.063	.074	.080	.094	.126	-.014
20	77.5	-.076	-.071	-.064	-.022	-.091	-.390	103	94.5	.132	.144	.148	.159	.187	.096
21	88.0	.037	.042	.049	.077	.111	-.102								
22	95.3	-.-	--	--	--	--	--								
C23	2.0	.040	.117	.148	.195	.226	.259	104	3.0	-.149	-.211	-.223	-.229	-.177	-.131
24	6.0	-.129	-.102	-.082	-.041	-.009	.028	105	10.0	-.181	-.255	-.287	-.313	-.275	-.217
25	15.0	-.235	-.263	-.262	-.232	-.201	-.160	106	25.0	-.208	-.290	-.345	-.443	-.393	-.361
26	27.5	-.296	-.373	-.410	-.395	-.370	-.332	107	41.0	-.200	-.268	-.313	-.435	-.470	-.444
27	40.0	-.323	-.420	-.523	-.546	-.529	-.485	108	52.5	-.179	-.231	-.266	-.378	-.521	-.588
28	50.0	-.288	-.347	-.433	-.564	-.653	-.622	109	62.5	-.132	-.189	-.208	-.189	-.447	-.537
29	59.0	-.255	-.324	-.424	-.555	-.658	-.709	110	72.5	-.006	-.018	-.020	-.002	-.074	-.224
30	67.5	-.201	-.233	-.144	-.392	-.581	-.625	111	85.1	.051	.054	.057	.071	.078	-.084
31	77.5	-.083	-.086	-.083	-.080	-.220	-.295	112	94.6	.120	.120	.123	.131	.122	-.014
32	88.0	.028	.033	.036	.049	.011	-.134								
33	95.3	-.-	--	--	--	--	--								
D34	2.0	.048	.121	.142	.178	.202	.232	113	3.0	-.158	-.219	-.229	-.242	-.207	-.164
35	15.0	-.214	-.229	-.231	-.211	-.189	-.155	114	10.0	-.158	-.216	-.232	-.243	-.216	-.174
36	27.5	-.271	-.325	-.349	-.352	-.337	-.305	115	25.0	-.207	-.281	-.322	-.369	-.370	-.340
37	40.0	-.316	-.397	-.449	-.488	-.489	-.457	116	41.0	-.212	-.288	-.335	-.426	-.479	-.453
38	50.0	-.298	-.373	-.432	-.489	-.576	-.577	117	52.5	-.181	-.240	-.276	-.349	-.459	-.536
39	59.0	-.230	-.269	-.332	-.381	-.497	-.545	118	62.5	-.121	-.162	-.186	-.201	-.247	-.441
40	67.5	--	--	--	--	--	--	119	72.5	-.032	-.049	-.056	-.072	-.086	-.075
41	77.5	-.058	-.076	-.081	-.125	-.165	-.198	120	87.4	.060	.057	.047	.037	.043	.012
42	87.5	.005	.000	-.006	-.029	-.060	-.076	121	94.2	.090	.090	.087	.068	.057	.039
43	94.2	.070	.068	.062	.045	.010	-.002								
E44	2.0	.051	.106	.134	.184	.212		122	3.0	-.103	-.106	-.125	-.137	-.122	
45	6.0	-.116	-.101	-.083	-.047	-.021		123	10.0	-.143	-.178	-.189	-.202	-.189	
46	15.0	-.217	-.249	-.250	-.229	-.211		124	25.0	-.198	-.256	-.293	-.325	-.337	
47	27.5	-.267	-.327	-.351	-.349	-.346		125	41.0	-.210	-.261	-.310	-.354	-.433	
48	40.0	-.301	-.378	-.423	-.448	-.480		126	52.5	-.168	-.214	-.246	-.281	-.358	
49	50.0	-.278	-.345	-.386	-.411	-.476		127	62.5	-.128	-.169	-.202	-.233	-.331	
50	59.0	-.231	-.292	-.332	-.358	-.430		128	72.5	-.077	-.069	-.061	-.045	-.026	
51	67.5	-.195	-.265	-.309	-.332	-.272		129	78.0	.006	-.001	-.005	-.006	-.002	
52	77.5	-.044	-.065	-.078	-.083	-.102		130	85.3	.060	.059	.057	.059	.058	
53	88.5	.113	.108	.100	.093	.084		131	94.1	.097	.100	.098	.099	.093	
54	95.5	.067	.062	.056	.055	.049									
F55	2.0	.064	.118	.146	.186	.213		132	3.0	-.134	-.145	-.151	-.158	-.141	
56	6.0	-.097	-.088	-.075	-.042	-.018		133	10.0	-.148	-.175	-.187	-.190	-.174	
57	15.0	-.200	-.228	-.232	-.215	-.199		134	25.0	-.203	-.252	-.293	-.307	-.329	
58	27.5	-.250	-.306	-.332	-.336	-.336		135	41.0	-.231	-.276	-.317	-.358	-.412	
59	49.0	-.280	-.351	-.393	-.419	-.465		136	52.5	-.195	-.244	-.277	-.307	-.367	
60	50.0	-.251	-.311	-.345	-.364	-.424		137	62.5	-.148	-.195	-.224	-.262	-.326	
61	59.0	-.204	-.273	-.302	-.326	-.398		138	72.5	-.114	-.157	-.154	-.165	-.171	
62	67.5	-.175	-.244	-.280	-.278	-.208		139	83.4	-.020	-.026	-.032	-.029	-.039	
63	86.5	.046	.055	.048	.054	.048		140	94.0	.058	.058	.055	.050	.054	
64	94.6	.053	.053	.045	.044	.040									
G65	2.0	.104	.146	.170	.207	.234		141	3.0	-.117	-.113	-.108	-.107	-.080	
66	6.0	-.074	-.068	-.056	-.025	-.001		142	10.0	-.163	-.185	-.195	-.199	-.182	
67	15.0	-.167	-.193	-.200	-.185	-.168		143	25.0	-.205	-.252	-.277	-.299	-.304	
68	27.5	-.224	-.285	-.303	-.307	-.303		144	41.0	-.220	-.271	-.302	-.325	-.391	
69	40.0	-.254	-.320	-.360	-.387	-.435		145	52.5	-.197	-.242	-.270	-.291	-.332	
70	50.0	-.228	-.281	-.314	-.332	-.387		146	62.5	-.157	-.200	-.229	-.255	-.340	
71	59.0	-.171	-.230	-.269	-.294	-.365		147	72.5	-.124	-.171	-.199	-.210	-.142	
72	67.5	-.150	-.222	-.262	-.283	-.332		148	84.0	-.037	-.047	-.051	-.052	-.065	
73	77.5	.091	.098	.092	.099	.086		149	92.0	.034	.029	.025	.036	.020	
74	87.2	.078	.083	.054	.085	.084									
75	96.8	.080	.082	.058	.077	.071									
H76	2.0	.083	.127	.152	.183	.223		150	3.0	-.131	-.129	-.131	-.132	-.116	
77	6.0	-.088	-.073	-.059	-.026	.001		151	10.0	-.131	-.134	-.133	-.126	-.107	
78	15.0	-.154	-.154	-.135	-.154	-.133		152	25.0	-.167	-.193	-.202	-.198	-.181	
79	27.5	-.215	-.258	-.273	-.270	-.268		153	41.0	-.215	-.264	-.295	-.315	-.301	
80	40.0	-.240	-.299	-.332	-.336	-.345		154	52.5	-.195	-.247	-.284	-.332	-.370	
81	50.0	-.230	-.297	-.333	-.367	-.384		155	62.5	-.131	-.167	-.188	-.203	-.285	
82	59.0	-.177	-.139	-.264	-.273	-.346		156	72.5	-.087	-.104	-.117	-.122	-.135	
83	67.5	-.096	-.131	-.150	-.173	-.236		157	84.9	.046	-.087	.036	.038	.021	
84	88.3	.031	.018	.010	.015	.009									
85	94.2	--	--	--	--	--									

CONFIDENTIAL

TABLE 60

$$\left[\Lambda = -30°,\ \delta_{a_n} = -5.0°,\ \alpha = 2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.237	-0.241	-0.185	-0.257	-0.479	-0.719
7	59.0	-.191	-.181	-.144	-.143	-.308	-.594
8	67.5	-.124	-.106	-.077	-.055	-.195	-.421
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.945	-.836	-.652	-.486	-.332	-.226
13	6.0	-.682	-.890	-.763	-.628	-.495	-.398
14	15.0	-.485	-.906	-.871	-.770	-.648	-.547
15	27.5	-.418	-.587	-.911	-.872	-.771	-.687
16	40.0	-.381	-.384	-.798	-.838	-.807	-.745
17	50.0	-.335	-.354	-.367	-.775	-.791	-.784
18	59.0	-.263	-.267	-.141	-.502	-.729	-.800
19	67.5	-.171	-.173	-.100	-.252	-.441	-.739
20	77.5	-.094	-.077	-.034	-.081	-.278	-.444
21	88.0	.023	.039	.058	.087	-.015	-.253
22	95.3	--	--	--	--	--	--
C23	2.0	-.535	-.460	-.359	-.248	-.133	-.049
24	6.0	-.482	-.521	-.462	-.382	-.286	-.210
25	15.0	-.456	-.571	-.553	-.484	-.405	-.337
26	27.5	-.439	-.636	-.664	-.629	-.559	-.493
27	40.0	-.421	-.588	-.748	-.735	-.671	-.605
28	50.0	-.361	-.479	-.637	-.760	-.745	-.686
29	59.0	-.329	-.270	-.634	-.769	-.815	-.808
30	67.5	-.184	-.191	-.143	-.544	-.748	-.719
31	77.5	-.107	-.099	-.066	-.115	-.242	-.356
32	88.0	.010	.021	.032	.002	-.089	-.201
33	95.3	--	--	--	--	--	--
D34	2.0	-.463	-.391	-.323	-.233	-.130	-.049
35	15.0	-.416	-.495	-.500	-.452	-.383	-.319
36	27.5	-.410	-.529	-.577	-.566	-.509	-.451
37	40.0	-.416	-.548	-.641	-.679	-.631	-.575
38	50.0	-.375	-.486	-.581	-.701	-.702	-.666
39	59.0	-.297	-.383	-.467	-.573	-.589	-.579
40	67.5	--	--	--	--	--	--
41	77.5	-.110	-.123	-.143	-.176	-.255	-.464
42	87.5	-.015	-.017	-.031	-.072	-.086	-.115
43	94.2	.054	.060	.049	.013	.004	.023
E44	2.0	-.449	-.422	-.328	-.233	-.148	
45	6.0	-.424	-.481	-.441	-.374	-.307	
46	15.0	-.410	-.518	-.517	-.473	-.415	
47	27.5	-.397	-.522	-.574	-.571	-.537	
48	40.0	-.396	-.520	-.590	-.650	-.640	
49	50.0	-.352	-.457	-.523	-.582	-.618	
50	59.0	-.302	-.421	-.493	-.559	-.605	
51	67.5	-.206	-.190	-.195	-.195	-.344	
52	77.5	-.094	-.122	-.138	-.135	-.135	
53	88.5	.083	.071	.059	.050	-.005	
54	95.5	-.056	.046	.054	.032	-.004	
F55	2.0	-.417	-.392	-.311	-.223	-.141	
56	6.0	-.399	-.461	-.434	-.371	-.308	
57	15.0	-.384	-.479	-.488	-.446	-.393	
58	27.5	-.374	-.490	-.540	-.543	-.513	
59	49.0	-.369	-.480	-.537	-.597	-.600	
60	50.0	-.325	-.418	-.476	-.530	-.552	
61	59.0	-.279	-.394	-.457	-.499	-.494	
62	67.5	-.127	-.125	-.131	-.141	-.324	
63	86.5	.021	.027	.020	.024	-.014	
64	94.6	.046	.038	.030	.034	.026	
G65	2.0	-.336	-.319	-.253	-.180	-.110	
66	6.0	-.353	-.406	-.386	-.336	-.283	
67	15.0	-.339	-.419	-.435	-.399	-.357	
68	27.5	-.339	-.435	-.482	-.477	-.456	
69	40.0	-.335	-.430	-.480	-.526	-.560	
70	50.0	-.292	-.388	-.412	-.455	-.492	
71	59.0	-.242	-.339	-.395	-.445	-.488	
72	67.5	-.114	-.131	-.180	-.204	-.425	
73	77.5	.044	.045	.046	.053	.033	
74	87.2	.060	.061	.050	.069	.077	
75	96.8	.074	.079	.060	.081	.080	
H76	2.0	-.276	-.254	-.203	-.139	-.083	
77	6.0	-.320	-.353	-.331	-.287	-.246	
78	15.0	-.289	-.342	-.347	-.324	-.287	
79	27.5	-.302	-.374	-.397	-.415	-.398	
80	40.0	-.298	-.381	-.415	-.421	-.456	
81	50.0	-.271	-.349	-.399	-.438	-.467	
82	59.0	-.199	-.260	-.302	-.308	-.390	
83	67.5	-.104	-.137	-.155	-.174	-.217	
84	88.3	.046	.004	-.004	-.005	-.015	
85	94.2	--	--	--	--	--	

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.083	-0.104	-0.110	-0.119	-0.120	-0.464
91	62.5	-.045	-.047	-.045	-.043	-.041	-.198
92	72.5	.001	.005	.009	.008	.009	-.038
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.271	.242	.207	.164	.116	.104
96	10.0	.062	.030	.006	-.027	-.061	-.060
97	25.0	-.088	-.137	-.169	-.223	-.271	-.264
98	41.0	-.135	-.181	-.211	-.257	-.401	-.454
99	52.5	-.120	-.155	-.173	-.202	-.332	-.505
100	62.5	-.071	-.089	-.095	-.104	-.103	-.413
101	72.5	.002	.000	.003	.002	.010	-.167
102	86.3	.076	.085	.092	.097	.092	-.038
103	94.5	.136	.149	.158	.168	.162	.068
104	3.0	.242	.238	.224	.203	.179	.176
105	10.0	.049	.036	.025	.007	-.013	-.009
106	25.0	-.077	-.111	-.134	-.164	-.193	-.191
107	41.0	-.124	-.167	-.195	-.245	-.310	-.342
108	52.5	-.122	-.161	-.184	-.225	-.319	-.407
109	62.5	-.078	-.107	-.128	-.170	-.256	-.347
110	72.5	-.032	-.074	-.070	-.043	-.096	-.143
111	85.1	.064	.076	.079	.070	.049	-.086
112	94.6	.134	.141	.148	.139	.099	-.034
113	3.0	.204	.196	.188	.170	.151	.145
114	10.0	.051	.040	.033	.022	.010	.015
115	25.0	-.078	-.113	-.131	-.155	-.179	-.180
116	41.0	-.129	-.175	-.202	-.241	-.302	-.339
117	52.5	-.120	-.161	-.185	-.224	-.273	-.365
118	62.5	-.088	-.116	-.135	-.170	-.216	-.304
119	72.5	-.006	-.029	-.030	-.050	-.074	-.040
120	87.4	.053	.076	.070	.055	.043	.027
121	94.2	.096	.098	.094	.072	.061	.050
122	3.0	.240	.262	.249	.236	.229	
123	10.0	.058	.057	.058	.049	.048	
124	25.0	-.075	-.096	-.115	-.129	-.150	
125	41.0	-.127	-.163	-.189	-.214	-.249	
126	52.5	-.104	-.126	-.158	-.176	-.214	
127	62.5	-.078	-.103	-.121	-.137	-.170	
128	72.5	-.036	-.064	-.084	-.103	-.138	
129	78.0	-.006	-.015	-.014	-.004	-.004	
130	85.3	.085	.088	.085	.083	.070	
131	94.1	.111	.113	.108	.107	.083	
132	3.0	.213	.237	.226	.224	.213	
133	10.0	.051	.060	.053	.049	.049	
134	25.0	-.080	-.098	-.115	-.126	-.138	
135	41.0	-.134	-.168	-.195	-.216	-.253	
136	52.5	-.135	-.169	-.194	-.213	-.249	
137	62.5	-.101	-.128	-.147	-.154	-.193	
138	72.5	-.064	-.089	-.110	-.129	-.163	
139	83.4	-.048	-.066	-.066	-.047	-.048	
140	94.0	.067	.067	.062	.063	.053	
141	3.0	.203	.237	.234	.233	.236	
142	10.0	.026	.037	.033	.034	.038	
143	25.0	-.092	-.091	-.123	-.131	-.140	
144	41.0	-.146	-.179	-.201	-.215	-.238	
145	52.5	-.144	-.178	-.200	-.214	-.241	
146	62.5	-.115	-.145	-.163	-.186	-.210	
147	72.5	-.091	-.110	-.126	-.137	-.158	
148	84.0	-.055	-.065	-.072	-.077	-.080	
149	92.0	.041	.040	.035	.037	.032	
150	3.0	.158	.192	.193	.197	.208	
151	10.0	.024	.045	.049	.060	.075	
152	25.0	-.080	-.096	-.090	-.085	-.073	
153	41.0	-.159	-.195	-.215	-.226	-.231	
154	52.5	-.162	-.204	-.231	-.256	-.309	
155	62.5	-.117	-.146	-.161	-.171	-.207	
156	72.5	-.077	-.101	-.105	-.114	-.123	
157	84.9	.051	.044	.039	.038	.036	

NACA

TABLE 61

$$\left[\Lambda = -30^\circ,\ \delta_{a_n} = -5.0^\circ,\ \alpha = 4^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.228	-0.330	-0.519	-0.525	-0.417	-0.702
7	59.0	-.193	-.225	-.461	-.508	-.385	-.575
8	67.5	-.133	-.143	-.385	-.464	-.342	-.455
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.803	-1.268	-1.136	-.904	-.735	-.591
13	6.0	-1.074	-1.185	-1.003	-.914	-.845	-.713
14	15.0	-.786	-.861	-.621	-.688	-.902	-.793
15	27.5	-.534	-.617	-.569	-.565	-.936	-.856
16	40.0	-.434	-.624	-.487	-.549	-.888	-.861
17	50.0	-.366	-.488	-.454	-.429	-.768	-.879
18	59.0	-.281	-.341	-.397	-.388	-.616	-.899
19	67.5	-.180	-.227	-.303	-.321	-.519	-.850
20	77.5	-.095	-.117	-.209	-.335	-.409	-.587
21	88.0	.014	-.005	-.082	-.179	-.263	-.436
22	95.3	--	--	--	--	--	--
C23	2.0	-1.287	-.983	-.754	-.582	-.454	-.338
24	6.0	-.937	-1.077	-.886	-.733	-.615	-.500
25	15.0	-.663	-1.014	-.890	-.762	-.656	-.549
26	27.5	-.570	-.890	-.910	-.826	-.736	-.639
27	40.0	-.501	-.643	-.824	-.798	-.824	-.736
28	50.0	-.412	-.468	-.545	-.697	-.815	-.790
29	59.0	-.337	-.377	-.422	-.640	-.817	-.836
30	67.5	-.225	-.246	-.171	-.509	-.821	-.767
31	77.5	-.121	-.131	-.092	-.088	-.289	-.495
32	88.0	-.006	-.016	-.084	.003	-.174	-.287
33	95.3	--	--	--	--	--	--
D34	2.0	-1.086	-.913	-.709	-.555	-.440	-.332
35	15.0	-.608	-.865	-.820	-.705	-.609	-.507
36	27.5	-.527	-.755	-.837	-.760	-.682	-.594
37	40.0	-.497	-.701	-.883	-.864	-.794	-.707
38	50.0	-.426	-.560	-.823	-.858	-.807	-.768
39	59.0	-.324	-.500	-.376	-.697	-.710	-.697
40	67.5	--	--	--	--	--	--
41	77.5	-.133	-.145	-.136	-.202	-.442	-.598
42	87.5	-.026	-.031	-.013	-.038	-.078	-.175
43	94.2	.033	.027	.054	.032	-.013	.016
E44	2.0	-1.127	-.971	-.798	-.618	-.466	
45	6.0	-.834	-1.053	-.913	-.758	-.620	
46	15.0	-.595	-.886	-.891	-.758	-.638	
47	27.5	-.523	-.733	-.906	-.809	-.713	
48	40.0	-.481	-.596	-.832	-.826	-.783	
49	50.0	-.408	-.492	-.798	-.786	-.729	
50	59.0	-.326	-.382	-.349	-.739	-.717	
51	67.5	-.232	-.266	-.253	-.303	-.430	
52	77.5	-.120	-.137	-.136	-.133	-.185	
53	88.5	.013	.018	.036	-.030	-.123	
54	95.5	.027	.019	.030	-.030	-.150	
F55	2.0	-1.059	-.950	-.789	-.621	-.473	
56	6.0	-.769	-1.006	-.881	-.732	-.598	
57	15.0	-.573	-.820	-.868	-.747	-.633	
58	27.5	-.491	-.684	-.863	-.785	-.694	
59	49.0	-.450	-.590	-.787	-.749	-.678	
60	50.0	-.378	-.456	-.702	-.700	-.670	
61	59.0	-.289	-.334	-.350	-.530	-.487	
62	67.5	-.182	-.208	-.201	-.374	-.426	
63	86.5	.001	.004	.004	-.008	-.237	
64	94.6	.033	.019	.025	.025	-.122	
G65	2.0	-.925	-.864	-.729	-.571	-.434	
66	6.0	-.689	-.914	-.845	-.702	-.576	
67	15.0	-.525	-.686	-.794	-.693	-.593	
68	27.5	-.449	-.607	-.706	-.673	-.621	
69	40.0	-.413	-.554	-.660	-.660	-.642	
70	50.0	-.349	-.460	-.610	-.619	-.589	
71	59.0	-.242	-.280	-.350	-.614	-.589	
72	67.5	-.146	-.173	-.162	-.248	-.556	
73	77.5	.004	.001	.003	.030	-.126	
74	87.2	.040	.035	.041	.055	.085	
75	96.8	.071	.075	.072	.078	.086	
H76	2.0	-.739	-.749	-.660	-.515	-.391	
77	6.0	-.591	-.710	-.724	-.610	-.509	
78	15.0	-.438	-.576	-.557	-.522	-.475	
79	27.5	-.393	-.494	-.576	-.540	-.490	
80	40.0	-.358	-.459	-.511	-.557	-.545	
81	50.0	-.310	-.403	-.485	-.505	-.556	
82	59.0	-.226	-.290	-.332	-.385	-.445	
83	67.5	-.132	-.172	-.194	-.212	-.275	
84	88.3	.001	.018	-.036	-.040	-.047	
85	94.2	--	--	--	--	--	

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.049	-0.080	-0.113	-0.150	-0.181	-0.405
91	62.5	-.028	-.041	-.067	-.092	-.083	-.250
92	72.5	.011	.004	-.026	-.056	-.047	-.094
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.572	.532	.497	.458	.430	.407
96	10.0	.253	.229	.206	.180	.161	.155
97	25.0	.017	-.021	-.051	-.091	-.123	-.131
98	41.0	-.071	-.116	-.152	-.203	-.278	-.304
99	52.5	-.077	-.115	-.148	-.192	-.276	-.368
100	62.5	-.041	-.066	-.093	-.122	-.181	-.330
101	72.5	.017	.008	-.013	-.035	-.045	-.165
102	86.3	.080	.082	.056	.036	.038	-.101
103	94.5	.131	.136	.097	.066	.084	-.027
104	3.0	.519	.502	.482	.455	.438	.422
105	10.0	.239	.234	.220	.199	.189	.182
106	25.0	.043	.024	.004	-.020	-.038	-.041
107	41.0	-.048	-.083	-.107	-.148	-.190	-.199
108	52.5	-.068	-.105	-.132	-.176	-.244	-.285
109	62.5	-.042	-.067	-.088	-.123	-.189	-.241
110	72.5	.010	-.015	-.038	-.078	-.139	-.184
111	85.1	.089	.092	.086	.071	.027	-.031
112	94.6	.135	.140	.137	.123	.060	-.006
113	3.0	.469	.457	.440	.414	.399	.384
114	10.0	.227	.227	.218	.202	.193	.189
115	25.0	.037	.022	.008	-.014	-.030	-.037
116	41.0	-.049	-.080	-.101	-.134	-.167	-.201
117	52.5	-.061	-.091	-.114	-.152	-.193	-.207
118	62.5	-.031	-.062	-.080	-.113	-.158	-.178
119	72.5	.010	-.011	-.004	-.031	-.069	-.073
120	87.4	.103	.101	.099	.074	.040	.024
121	94.2	.108	.104	.099	.077	.035	.038
122	3.0	.497	.498	.504	.475	.452	
123	10.0	.336	.246	.256	.236	.220	
124	25.0	.043	.037	.037	.017	-.005	
125	41.0	-.044	-.066	-.075	-.101	-.140	
126	52.5	-.044	-.064	-.074	-.099	-.136	
127	62.5	-.036	-.054	-.061	-.083	-.124	
128	72.5	.004	-.009	-.015	-.036	-.078	
129	78.0	.028	.017	.013	-.009	-.052	
130	85.3	.073	.052	.050	.030	-.019	
131	94.1	.117	.128	.135	.117	.066	
132	3.0	.476	.483	.491	.465	.441	
133	10.0	.226	.240	.251	.234	.219	
134	25.0	.034	.033	.037	.018	.001	
135	41.0	-.052	-.072	-.080	-.103	-.135	
136	52.5	-.075	-.098	-.110	-.135	-.171	
137	62.5	-.057	-.075	-.103	-.132	-.138	
138	72.5	-.032	-.045	-.053	-.071	-.100	
139	83.4	-.026	.036	-.045	-.050	-.084	
140	94.0	.066	.062	.061	.028	.015	
141	3.0	.454	.475	.490	.470	.454	
142	10.0	.209	.215	.230	.215	.208	
143	25.0	.017	.027	.023	.009	-.003	
144	41.0	-.072	-.088	-.094	-.113	-.135	
145	52.5	-.092	-.109	-.119	-.138	-.164	
146	62.5	-.079	-.080	-.092	-.122	-.143	
147	72.5	-.054	-.072	-.081	-.093	-.112	
148	84.0	-.047	-.060	-.075	-.087	-.107	
149	92.0	.043	.032	.027	.023	.021	
150	3.0	.403	.434	.456	.440	.432	
151	10.0	.171	.201	.224	.220	.223	
152	25.0	.010	.018	.031	.027	.031	
153	41.0	-.100	-.117	-.124	-.138	-.149	
154	52.5	-.120	-.150	-.166	-.189	-.227	
155	62.5	-.089	-.100	-.127	-.147	-.091	
156	72.5	-.059	-.085	-.111	-.111	-.048	
157	84.9	.044	.037	.066	.028	.023	

NACA

TABLE 62

$$\left[\Lambda = -30°,\ \delta_{a_n} = -5.0°,\ \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.92	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.490	-0.559	-0.559	-0.566	-0.583	-0.704
7	59.0	-.415	-.559	-.571	-.579	-.594	-.700
8	67.5	-.338	-.532	-.560	-.577	-.593	-.680
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.658	-1.421	-1.276	-1.150	-1.089	-1.004
13	6.0	-.671	-1.308	-1.138	-1.084	-.977	-.937
14	15.0	-.685	-.500	-.493	-.504	-.635	-.820
15	27.5	-.721	-.493	-.509	-.523	-.548	-.742
16	40.0	-.672	-.504	-.516	-.531	-.567	-.728
17	50.0	-.587	-.511	-.520	-.525	-.565	-.708
18	59.0	-.520	-.502	-.516	-.526	-.540	-.618
19	67.5	-.428	-.453	-.489	-.493	-.490	-.513
20	77.5	-.322	-.358	-.403	-.424	-.403	-.460
21	88.0	-.178	-.224	-.266	-.274	-.286	-.498
22	95.3	--	--	--	--	--	--
C23	2.0	-1.417	-1.489	-1.227	-1.026	-.861	-.732
24	6.0	-1.291	-1.419	-1.211	-1.056	-.920	-.805
25	15.0	-.860	-1.305	-1.110	-1.021	-.918	-.817
26	27.5	-.603	-.795	-.962	-.957	-.909	-.862
27	40.0	-.547	-.536	-.648	-.783	-.867	-.859
28	50.0	-.473	-.419	-.527	-.642	-.768	-.821
29	59.0	-.409	-.349	-.436	-.542	-.651	-.817
30	67.5	-.295	-.281	-.367	-.457	-.566	-.768
31	77.5	-.198	-.227	-.337	-.439	-.555	-.723
32	88.0	-.089	-.132	-.212	-.278	-.463	-.577
33	95.3	--	--	--	--	--	--
D34	2.0	-2.006	-1.407	-1.137	-.936	-.785	-.667
35	15.0	-.810	-1.310	-1.128	-.990	-.875	-.774
36	27.5	-.639	-1.208	-1.090	-1.012	-.913	-.821
37	40.0	-.550	-.790	-1.067	-.986	-.957	-.875
38	50.0	-.452	-.560	-.910	-.974	-.918	-.857
39	59.0	-.335	-.376	-.574	-.815	-.833	-.788
40	67.5	--	--	--	--	--	--
41	77.5	-.142	-.102	-.131	-.210	-.545	-.673
42	87.5	-.068	-.043	-.102	-.155	-.166	-.261
43	94.2	-.039	-.006	-.083	-.145	-.172	-.198
E44	2.0	-1.956	-1.445	-1.206	-1.025	-.867	
45	6.0	-1.679	-1.420	-1.222	-1.076	-.935	
46	15.0	-.904	-1.331	-1.167	-1.033	-.918	
47	27.5	-.641	-1.245	-1.094	-.998	-.935	
48	40.0	-.541	-.839	-1.016	-.957	-.875	
49	50.0	-.438	-.567	-.823	-.862	-.860	
50	53.0	-.333	-.383	-.676	-.744	-.747	
51	67.5	-.233	-.229	-.335	-.461	-.570	
52	77.5	-.140	-.114	-.212	-.252	-.274	
53	88.5	-.054	-.039	-.177	-.262	-.302	
54	95.5	-.037	-.037	-.170	-.280	-.345	
F55	2.0	-1.913	-1.450	-1.206	-1.027	-.866	
56	6.0	-1.706	-1.401	-1.202	-1.051	-.908	
57	15.0	-.825	-1.333	-1.156	-1.026	-.908	
58	27.5	-.625	-1.213	-1.091	-.999	-.915	
59	49.0	-.521	-.867	-.952	-.929	-.871	
60	50.0	-.412	-.493	-.611	-.602	-.589	
61	59.0	-.302	-.359	-.568	-.559	-.537	
62	67.5	-.197	-.239	-.500	-.539	-.532	
63	86.5	-.052	-.028	-.212	-.481	-.566	
64	94.6	-.014	.010	-.066	-.352	-.471	
G65	2.0	-1.974	-1.418	-1.170	-.994	-.830	
66	6.0	-1.361	-1.382	-1.178	-1.025	-.881	
67	15.0	-.749	-1.264	-1.121	-1.002	-.878	
68	27.5	-.592	-1.190	-1.029	-.982	-.898	
69	40.0	-.495	-.759	-1.013	-.920	-.838	
70	50.0	-.395	-.419	-.917	-.910	-.832	
71	59.0	-.276	-.296	-.561	-.849	-.835	
72	67.5	-.173	-.183	-.191	-.647	-.750	
73	77.5	-.059	-.053	-.026	-.015	-.466	
74	87.2	-.012	-.014	.022	.035	.069	
75	96.8	.024	.027	.062	.063	.082	
H76	2.0	-1.641	-1.316	-1.082	-.922	-.775	
77	6.0	-.928	-1.301	-1.100	-.958	-.823	
78	15.0	-.632	-1.086	-1.002	-.911	-.808	
79	27.5	-.525	-.668	-.796	-.804	-.760	
80	40.0	-.440	-.582	-.691	-.703	-.669	
81	50.0	-.365	-.499	-.608	-.664	-.656	
82	59.0	-.270	-.349	-.441	-.538	-.573	
83	67.5	-.177	-.225	-.261	-.317	-.390	
84	88.3	-.036	-.075	-.102	-.121	-.134	
85	94.2	.038	--	--	--	--	

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.92	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.042	-0.089	-0.132	-0.173	-0.220	-0.299
91	62.5	-.035	-.079	-.107	-.128	-.143	-.175
92	72.5	-.016	-.064	-.093	-.112	-.120	-.094
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.723	.743	.720	.701	.682	.311
96	10.0	.392	.403	.384	.373	.360	-.029
97	25.0	.109	.090	.066	.046	.031	.039
98	41.0	-.016	-.057	-.092	-.126	-.158	-.162
99	52.5	-.048	-.093	-.128	-.167	-.215	-.248
100	62.5	-.033	-.074	-.105	-.135	-.163	-.233
101	72.5	.005	-.028	-.052	-.071	-.081	-.125
102	86.3	.037	.001	-.020	-.031	-.037	-.046
103	94.5	.050	.002	-.020	-.037	-.045	-.035
104	3.0	.716	.707	.689	.675	.665	-.147
105	10.0	.416	.418	.403	.394	.386	.024
106	25.0	.163	.158	.141	.129	.122	.062
107	41.0	.023	.003	-.024	-.049	-.066	-.063
108	52.5	-.019	-.052	-.086	-.119	-.151	-.160
109	62.5	-.018	-.044	-.077	-.109	-.141	-.171
110	72.5	.023	.003	-.023	-.049	-.074	-.107
111	85.1	.059	.058	.029	.017	.024	-.028
112	94.6	.087	.083	.070	.063	.075	.027
113	3.0	.693	.670	.651	.637	.627	-.117
114	10.0	.416	.411	.399	.390	.384	.037
115	25.0	.170	.166	.152	.140	.133	.066
116	41.0	.041	.025	.003	-.019	-.033	-.028
117	52.5	.004	-.016	-.043	-.073	-.094	-.091
118	62.5	.004	-.008	-.044	-.078	-.101	-.104
119	72.5	.038	.033	.004	-.029	-.046	-.052
120	87.4	.093	.137	.070	.053	.034	.030
121	94.2	.073	.094	.052	.019	-.002	-.009
122	3.0	.710	.700	.694	.682	.674	
123	10.0	.423	.430	.426	.419	.414	
124	25.0	.179	.184	.178	.169	.163	
125	41.0	.050	.045	.033	.018	.005	
126	52.5	.023	.017	.002	-.016	-.031	
127	62.5	.008	.003	-.017	-.030	-.057	
128	72.5	.028	.029	.008	-.018	-.038	
129	78.0	.046	.048	.035	-.002	-.022	
130	85.3	.078	.093	.068	.035	.016	
131	94.1	.086	.122	.084	.029	.011	
132	3.0	.700	.795	.689	.678	.671	
133	10.0	.416	.427	.427	.419	.416	
134	25.0	.171	.182	.188	.172	.169	
135	41.0	.046	.044	.033	.021	.011	
136	52.5	-.003	-.012	-.026	-.041	-.056	
137	62.5	-.009	-.014	-.029	-.043	-.057	
138	72.5	-.003	-.005	-.019	-.031	-.044	
139	83.4	-.009	-.013	-.019	-.032	-.052	
140	94.0	.043	.060	.039	-.025	-.013	
141	3.0	.687	.691	.689	.680	.677	
142	10.0	.390	.409	.412	.406	.407	
143	25.0	.156	.172	.171	.166	.164	
144	41.0	.026	.027	.019	.010	.004	
145	52.5	-.016	-.021	-.033	-.044	-.053	
146	62.5	-.022	-.021	-.042	-.047	-.058	
147	72.5	-.020	-.027	-.029	-.046	-.056	
148	84.0	-.019	-.060	-.074	-.072	-.083	
149	92.0	.037	.037	.033	.035	.037	
150	3.0	.656	.676	.678	.674	.674	
151	10.0	.356	.392	.400	.402	.410	
152	25.0	.130	.159	.164	.167	.176	
153	41.0	.014	-.011	.018	.023	-.022	
154	52.5	.060	-.073	-.089	.103	-.113	
155	62.5	.046	-.062	-.079	.092	-.102	
156	72.5	-.043	-.064	-.084	-.106	-.111	
157	84.9	.030	.016	.002	-.006	-.008	

NACA

TABLE 63

$$\left[\Lambda = -30°,\ \delta_{a_n} = 5.0°,\ \alpha = -2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89
A 1	2.0	--	--	--	--
2	6.0	--	--	--	--
3	15.0	--	--	--	--
4	27.5	--	--	--	--
5	40.0	--	--	--	--
6	50.0	-0.191	-0.225	-0.235	-0.218
7	59.0	-.157	-.177	-.171	-.134
8	67.5	-.098	-.094	-.092	-.069
9	77.5	--	--	--	--
10	87.5	--	--	--	--
11	96.0	--	--	--	
B12	2.0	.387	.418	.329	.425
13	6.0	.086	.095	.093	.098
14	15.0	-.112	-.157	-.180	-.189
15	27.5	-.208	-.290	-.349	-.396
16	40.0	-.252	-.333	-.394	-.534
17	50.0	-.244	-.313	-.349	-.499
18	59.0	-.208	-.259	-.300	-.459
19	67.5	-.157	-.219	-.159	-.065
20	77.5	-.046	-.054	-.055	-.023
21	88.0	.053	.057	.062	.074
22	95.3	--	--		
C23	2.0	.376	.423	.433	.442
24	6.0	.107	.140	.151	.162
25	15.0	-.082	-.088	-.087	-.080
26	27.5	-.193	-.240	-.262	-.272
27	40.0	-.256	-.337	-.395	-.458
28	50.0	-.224	-.323	-.396	-.534
29	59.0	-.223	-.280	-.326	-.464
30	67.5	-.164	-.226	-.268	-.350
31	77.5	-.071	-.077	-.082	-.089
32	88.0	.038	.038	.040	-.048
33	95.3	--	--	--	--
D34	2.0	.323	.374	.386	.398
35	15.0	-.082	-.081	-.079	-.072
36	27.5	-.184	-.220	-.234	-.244
37	40.0	-.256	-.324	-.364	-.414
38	50.0	-.257	-.329	-.374	-.466
39	59.0	-.168	-.265	-.331	-.430
40	67.5	--	--	--	--
41	77.5	-.074	-.054	-.060	-.096
42	87.5	.010	.003	-.003	-.028
43	94.2	.070	.070	.066	.046
E44	2.0	.283	.330	.350	.370
45	6.0	.044	.068	.086	.106
46	15.0	-.117	-.133	-.127	-.115
47	27.5	-.212	-.263	-.277	-.278
48	40.0	-.273	-.356	-.398	-.436
49	50.0	-.272	-.355	-.402	-.490
50	59.0	-.239	-.307	-.345	-.421
51	67.5	-.187	-.262	-.309	-.380
52	77.5	-.125	-.078	-.047	-.062
53	88.5	.123	.122	.118	.109
54	95.5	.070	.067	.067	.062
F55	2.0	.279	.328	.351	.371
56	6.0	.041	.067	.087	.107
57	15.0	-.117	-.126	-.119	-.106
58	27.5	-.215	-.260	-.270	-.268
59	49.0	-.282	-.362	-.398	-.429
60	50.0	-.283	-.367	-.413	-.486
61	59.0	-.259	-.329	-.365	-.421
62	67.5	-.222	-.286	-.325	-.382
63	86.5	-.060	-.064	-.053	-.049
64	94.6	.040	.043	.042	.042
G65	2.0	.290	.350	.373	.395
66	6.0	.047	.082	.103	.123
67	15.0	-.105	-.103	-.094	-.079
68	27.5	-.209	-.241	-.247	-.243
69	40.0	-.278	-.343	-.371	-.351
70	50.0	-.289	-.364	-.404	-.450
71	59.0	-.256	-.319	-.354	-.384
72	67.5	-.222	-.275	-.305	-.346
73	77.5	-.179	-.230	-.263	-.305
74	87.2	-.152	-.172	-.139	-.086
75	96.8	.077	-.319	.051	.045
H76	2.0	.261	.315	.337	.360
77	6.0	.041	.077	.095	.117
78	15.0	-.083	-.078	-.067	-.054
79	27.5	-.185	-.203	-.203	-.200
80	40.0	-.242	-.284	-.296	-.301
81	50.0	-.255	-.311	-.337	-.365
82	59.0	-.217	-.266	-.285	-.306
83	67.5	-.169	-.207	-.225	-.247
84	88.3	-.052	-.075	-.086	-.096
85	94.2				

LOWER SURFACE

Tube	Per-cent chord	Mach Number 0.60	0.80	0.85	0.89
86	3.0	--	--	--	--
87	10.0	--	--	--	--
88	25.0	--	--	--	--
89	41.0	--	--	--	--
90	52.5	-0.108	-0.104	-0.054	-0.150
91	62.5	-.079	-.068	-.056	-.020
92	72.5	-.023	-.008	.000	.025
93	84.0	--	--	--	--
94	94.0	--	--	--	--
95	3.0	-.842	-1.009	-1.000	-.864
96	10.0	-.392	-.688	-.993	-.942
97	25.0	-.290	-.357	-.619	-.853
98	41.0	-.249	-.277	-.211	-.639
99	52.5	-.187	-.197	-.178	-.087
100	62.5	-.122	-.120	-.104	-.014
101	72.5	-.038	-.026	.016	.032
102	86.3	.053	.068	.078	.108
103	94.5	.115	.128	.136	.163
104	3.0	-.554	-.734	-.752	-.656
105	10.0	-.384	-.520	-.580	-.648
106	25.0	-.310	-.435	-.526	-.572
107	41.0	-.247	-.308	-.444	-.537
108	52.5	-.223	-.259	-.251	-.545
109	62.5	-.148	-.167	-.153	-.274
110	72.5	-.048	-.050	-.037	-.019
111	85.1	.037	.044	.051	.075
112	94.6	.099	.107	.111	.122
113	3.0	-.494	-.647	-.698	-.627
114	10.0	-.333	-.427	-.483	-.565
115	25.0	-.300	-.396	-.447	-.530
116	41.0	-.269	-.351	-.409	-.486
117	52.5	-.214	-.270	-.317	-.371
118	62.5	-.138	-.172	-.197	-.240
119	72.5	-.052	-.075	-.079	-.119
120	87.4	.063	.047	-.044	.026
121	94.2	.079	.033	-.073	.050
122	3.0	-.352	-.421	-.451	-.471
123	10.0	-.266	-.326	-.349	-.360
124	25.0	-.257	-.327	-.368	-.408
125	41.0	-.245	-.288	-.318	-.354
126	52.5	-.175	-.225	-.252	-.289
127	62.5	-.123	-.141	-.148	-.149
128	72.5	-.043	-.062	-.072	-.087
129	78.0	-.003	-.013	-.012	-.031
130	85.3	.051	.047	.041	.032
131	94.1	.088	.088	.085	.077
132	3.0	-.356	-.432	-.471	-.478
133	10.0	-.253	-.314	-.339	-.357
134	25.0	-.239	-.305	-.340	-.394
135	41.0	-.179	-.270	-.302	-.330
136	52.5	-.163	-.214	-.243	-.274
137	62.5	-.095	-.078	-.074	-.074
138	72.5	.036	.030	.028	.026
139	83.4	.126	.131	.130	.129
140	94.0	.086	.083	.078	.071
141	3.0	-.309	-.376	-.399	-.396
142	10.0	-.247	-.316	-.348	-.358
143	25.0	-.220	-.292	-.331	-.382
144	41.0	-.187	-.245	-.274	-.303
145	52.5	-.140	-.192	-.220	-.255
146	62.5	-.070	-.069	-.059	-.055
147	72.5	.053	.043	.039	.037
148	84.0	.141	.142	.144	.143
149	92.0	.104	.104	.103	.100
150	3.0	-.350	-.413	-.437	-.443
151	10.0	-.209	-.251	-.265	-.266
152	25.0	-.185	-.232	-.246	-.247
153	41.0	-.199	-.269	-.312	-.349
154	52.5	-.157	-.215	-.247	-.306
155	62.5	-.067	-.100	-.124	-.141
156	72.5	.044	.032	.026	.020
157	84.9	.058	.045	.038	.033

NACA

TABLE 64

$$\left[\Lambda = -30^\circ,\ \delta_{a_n} = 5.0^\circ,\ \alpha = 0^\circ\right]$$

CONFIDENTIAL

		UPPER SURFACE								LOWER SURFACE					
		Mach Number								Mach Number					
Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96	Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--	86	3.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--	87	10.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--	88	25.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--	89	41.0	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--	90	52.5	-0.082	-0.098	-0.103	-0.099	-0.079	-0.547
6	50.0	-0.222	-0.236	-0.224	-0.224	-0.561	-0.701	91	62.5	-.058	-.053	-.052	-.048	-.022	-.275
7	59.0	-.179	-.180	-.173	-.126	-.302	-.669	92	72.5	-.010	-.005	.000	.003	.026	-.066
8	67.5	-.114	-.108	-.098	-.051	-.171	-.492	93	84.0	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--	94	94.0	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--								
11	96.0	--	--	--	--	--	--								
B12	2.0	-.200	-.186	.074	-.012	.060	.145	95	3.0	-.130	-.185	-.226	-.265	-.267	-.245
13	6.0	-.288	-.371	-.341	-.266	-.188	-.115	96	10.0	-.143	-.199	-.245	-.330	-.376	-.367
14	15.0	-.311	-.447	-.528	-.479	-.416	-.343	97	25.0	-.184	-.245	-.291	-.390	-.458	-.447
15	27.5	-.328	-.442	-.598	-.602	-.554	-.486	98	41.0	-.189	-.232	-.259	-.321	-.499	-.546
16	40.0	-.330	-.413	-.552	-.690	-.668	-.597	99	52.5	-.157	-.185	-.202	-.165	-.421	-.605
17	50.0	-.302	-.365	-.370	-.645	-.689	-.704	100	62.5	-.095	-.104	-.099	-.088	-.060	-.542
18	59.0	-.255	-.273	-.209	-.470	-.655	-.742	101	72.5	-.009	-.007	-.004	.000	.029	-.228
19	67.5	-.196	-.165	-.147	-.215	-.495	-.739	102	86.3	.071	.082	.086	.095	.109	-.055
20	77.5	-.075	-.074	-.062	-.028	-.206	-.592	103	94.5	.132	.147	.151	.161	.172	.055
21	88.0	.040	.052	.058	.107	.048	-.203								
22	95.3	--	--	--	--	--	--								
C23	2.0	-.049	.004	.050	.111	.172	.239	104	3.0	-.066	-.077	-.091	-.105	-.105	-.091
24	6.0	-.187	-.187	-.160	-.111	-.053	.010	105	10.0	-.130	-.166	-.190	-.217	-.217	-.190
25	15.0	-.282	-.342	-.337	-.296	-.243	-.180	106	25.0	-.180	-.234	-.274	-.321	-.328	-.329
26	27.5	-.330	-.441	-.472	-.480	-.411	-.347	107	41.0	-.177	-.228	-.265	-.344	-.413	-.414
27	40.0	-.351	-.476	-.618	-.616	-.567	-.499	108	52.5	-.166	-.204	-.232	-.295	-.422	-.488
28	50.0	-.314	-.403	-.530	-.693	-.702	-.638	109	62.5	-.117	-.159	-.190	-.245	-.369	-.446
29	59.0	-.276	-.363	-.508	-.672	-.745	-.731	110	72.5	-.003	.007	.005	.010	-.037	-.219
30	67.5	-.223	-.188	-.132	-.388	-.670	-.662	111	85.1	.041	.061	.063	.066	.047	-.113
31	77.5	-.091	-.096	-.083	-.088	-.186	-.488	112	94.6	.123	.133	.144	.134	.100	-.061
32	88.0	.021	.028	.038	.034	-.065	-.184								
33	95.3	--	--	--	--	--	--								
D34	2.0	-.056	.005	.040	.089	.145	.206	113	3.0	-.062	-.079	-.094	-.111	-.121	-.120
35	15.0	-.265	-.307	-.306	-.275	-.229	-.172	114	10.0	-.104	-.129	-.145	-.159	-.159	-.146
36	27.5	-.314	-.397	-.432	-.417	-.377	-.320	115	25.0	-.171	-.219	-.232	-.281	-.300	-.316
37	40.0	-.354	-.464	-.552	-.570	-.529	-.469	116	41.0	-.186	-.238	-.274	-.326	-.371	-.423
38	50.0	-.331	-.426	-.508	-.630	-.643	-.591	117	52.5	-.157	-.200	-.229	-.277	-.334	-.380
39	59.0	-.262	-.350	-.425	-.541	-.588	-.570	118	62.5	-.105	-.136	-.158	-.196	-.266	-.297
40	67.5	-.018	--	--	--	--	--	119	72.5	-.019	-.029	-.043	-.063	-.096	-.104
41	77.5	-.087	-.096	-.114	-.126	-.355	-.529	120	87.4	.071	.068	.062	.048	.015	.011
42	87.5	-.006	-.009	-.015	-.031	-.053	-.202	121	94.2	.094	.097	.094	.082	.051	.037
43	94.2	.063	.068	.061	.044	.029	.013								
E44	2.0	-.126	-.078	-.023	.041	.088		122	3.0	.043	.048	.035	.021	.008	
45	6.0	-.234	-.242	-.209	-.160	-.122		123	10.0	-.053	-.060	-.072	-.083	-.092	
46	15.0	-.301	-.331	-.359	-.323	-.293		124	25.0	-.132	-.161	-.183	-.206	-.232	
47	27.5	-.338	-.441	-.469	-.451	-.427		125	41.0	-.151	-.182	-.206	-.232	-.262	
48	40.0	-.370	-.494	-.584	-.586	-.562		126	52.5	-.113	-.137	-.153	-.173	-.198	
49	50.0	-.344	-.451	-.548	-.661	-.660		127	62.5	-.078	-.101	-.118	-.139	-.168	
50	59.0	-.294	-.392	-.498	-.618	-.599		128	72.5	-.043	-.034	-.031	-.031	-.042	
51	67.5	-.249	-.363	-.365	-.508	-.585		129	78.0	.033	.026	.018	.009	-.008	
52	77.5	-.070	-.088	-.097	-.106	-.423		130	85.3	.079	.079	.075	.068	.054	
53	88.5	.099	.092	.086	.096	-.079		131	94.1	.103	.107	.103	.098	.079	
54	95.5	.061	.061	.057	.054	.003									
F55	2.0	-.129	-.072	-.018	.043	.090		132	3.0	.034	.032	.019	.005	-.007	
56	6.0	-.234	-.234	-.201	-.157	-.121		133	10.0	-.045	-.056	-.070	-.080	-.088	
57	15.0	-.295	-.344	-.337	-.306	-.282		134	25.0	-.119	-.151	-.169	-.191	-.173	
58	27.5	-.339	-.425	-.451	-.435	-.414		135	41.0	-.130	-.163	-.186	-.210	-.242	
59	49.0	-.377	-.492	-.571	-.569	-.549		136	52.5	-.100	-.122	-.139	-.157	-.181	
60	50.0	-.354	-.459	-.540	-.656	-.670		137	62.5	-.053	-.082	-.105	-.128	-.158	
61	59.0	-.312	-.404	-.486	-.589	-.634		138	72.5	.086	.094	.093	.092	.090	
62	67.5	-.271	-.374	-.458	-.572	-.616		139	83.4	.150	.160	.162	.163	.161	
63	86.5	-.042	-.054	-.058	-.070	-.147		140	94.0	.099	.095	.091	.081	.064	
64	94.6	.038	.040	.037	.031	-.024									
G65	2.0	-.092	-.016	.036	.089	.123		141	3.0	.051	.046	.037	.030	.030	
66	6.0	-.211	-.194	-.118	-.123	-.096		142	10.0	-.052	-.073	-.087	-.098	-.104	
67	15.0	-.268	-.297	-.288	-.265	-.247		143	25.0	-.112	-.149	-.172	-.195	-.227	
68	27.5	-.321	-.387	-.402	-.387	-.372		144	41.0	-.118	-.154	-.174	-.197	-.223	
69	40.0	-.360	-.454	-.500	-.514	-.501		145	52.5	-.075	-.110	-.126	-.145	-.167	
70	50.0	-.350	-.439	-.499	-.578	-.621		146	62.5	-.073	-.095	-.115	-.144		
71	59.0	-.304	-.380	-.434	-.505	-.586		147	72.5	.100	.104	.100	.098	.082	
72	67.5	-.264	-.349	-.407	-.480	-.553		148	84.0	.162	.168	.169	.169	.165	
73	77.5	-.225	-.286	-.288	-.278	-.451		149	92.0	.113	.115	.111	.108	.103	
74	87.2	-.042	-.052	-.060	-.072	-.096									
75	96.8	.057	.048	.042	.037	.011									
H76	2.0	-.053	.014	.054	.097	.122		150	3.0	-.022	.028	-.033	-.032	-.025	
77	6.0	-.175	-.154	-.130	-.100	-.081		151	10.0	-.056	.064	-.067	-.064	-.056	
78	15.0	-.216	-.227	-.222	-.204	-.194		152	25.0	-.103	-.127	-.138	-.140	-.131	
79	27.5	-.271	-.308	-.319	-.318	-.325		153	41.0	-.152	-.198	-.231	-.272	-.272	
80	40.0	-.297	-.351	-.374	-.371	-.404		154	52.5	-.125	-.173	-.204	-.241	-.341	
81	50.0	-.294	-.356	-.395	-.417	-.434		155	62.5	-.045	-.077	-.097	-.113	-.138	
82	59.0	-.244	-.292	-.321	-.347	-.392		156	72.5	.017	.053	.048	.045	.043	
83	67.5	-.185	-.221	-.246	-.271	-.305		157	84.9	.051	.035	.027	.020	.031	
84	88.3	-.067	-.186	-.109	-.121	-.158									
85	94.2	--	--	--	--	--									

NACA

TABLE 65

$$\left[\Lambda = -30^\circ,\ \delta_{a_n} = 5.0^\circ,\ \alpha = 2^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.243	-0.233	-0.196	-0.305	-0.515	-0.782
7	59.0	-.194	-.181	-.145	-.199	-.328	-.736
8	67.5	-.128	-.108	-.081	-.108	-.228	-.557
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.150	-.991	-.768	-.563	-.379	-.253
13	6.0	-.770	-1.048	-.881	-.700	-.537	-.421
14	15.0	-.506	-1.053	-.944	-.818	-.676	-.582
15	27.5	-.435	-.878	-.982	-.926	-.807	-.708
16	40.0	-.393	-.305	-.850	-.893	-.849	-.764
17	50.0	-.343	-.327	-.510	-.836	-.834	-.812
18	59.0	-.276	-.261	-.290	-.487	-.780	-.849
19	67.5	-.188	-.172	-.151	-.351	-.460	-.805
20	77.5	-.096	-.076	-.044	-.234	-.299	-.586
21	88.0	-.030	.043	.067	.072	-.056	-.374
22	95.3	--	--	--	--	--	--
C23	2.0	-.653	-.613	-.472	-.319	-.176	.159
24	6.0	-.544	-.644	-.571	-.447	-.321	-.231
25	15.0	-.501	-.676	-.617	-.520	-.425	-.347
26	27.5	-.469	-.724	-.753	-.670	-.581	-.502
27	40.0	-.443	-.682	-.841	-.783	-.694	-.619
28	50.0	-.374	-.621	-.739	-.846	-.774	-.711
29	59.0	-.343	-.242	-.739	-.817	-.852	-.820
30	67.5	-.194	-.192	-.182	-.703	-.763	-.737
31	77.5	-.114	-.101	-.089	-.146	-.260	-.532
32	88.0	.010	.017	.003	-.091	-.165	-.244
33	95.3	--	--	--	--	--	--
D34	2.0	-.599	-.577	-.548	-.319	-.183	-.091
35	15.0	-.466	-.630	-.574	-.488	-.405	-.330
36	27.5	-.448	-.661	-.671	-.611	-.531	-.462
37	40.0	-.448	-.663	-.771	-.727	-.653	-.583
38	50.0	-.403	-.595	-.721	-.720	-.740	-.690
39	59.0	-.314	-.529	-.629	-.674	-.642	-.638
40	67.5	--	--	--	--	--	--
41	77.5	-.125	-.186	-.155	-.339	-.557	-.620
42	87.5	-.020	-.077	-.039	-.031	-.097	-.360
43	94.2	.051	.054	.036	.032	.043	.005
E44	2.0	-.690	-.685	-.521	-.376	-.238	
45	6.0	-.571	-.702	-.627	-.504	-.383	
46	15.0	-.504	-.666	-.616	-.541	-.455	
47	27.5	-.477	-.681	-.709	-.649	-.573	
48	40.0	-.497	-.668	-.785	-.741	-.673	
49	50.0	-.420	-.601	-.734	-.703	-.632	
50	59.0	-.365	-.541	-.737	-.685	-.623	
51	67.5	-.231	-.238	-.407	-.608	-.531	
52	77.5	-.125	-.142	-.118	-.335	-.417	
53	88.5	.011	.057	.070	-.033	-.303	
54	95.5	.023	.048	.040	-.010	-.231	
F55	2.0	-.683	-.664	-.510	-.383	-.232	
56	6.0	-.561	-.683	-.602	-.491	-.379	
57	15.0	-.494	-.630	-.592	-.519	-.437	
58	27.5	-.473	-.650	-.670	-.620	-.551	
59	49.0	-.471	-.650	-.753	-.720	-.659	
60	50.0	-.428	-.586	-.705	-.707	-.650	
61	59.0	-.378	-.557	-.685	-.692	-.635	
62	67.5	-.301	-.316	-.544	-.676	-.635	
63	86.5	-.066	-.071	-.078	-.141	-.398	
64	94.6	.030	.030	.020	-.003	-.223	
G65	2.0	-.599	-.560	-.436	-.310	-.190	
66	6.0	-.516	-.593	-.538	-.448	-.351	
67	15.0	-.450	-.553	-.520	-.465	-.395	
68	27.5	-.441	-.567	-.579	-.544	-.490	
69	40.0	-.445	-.587	-.660	-.638	-.599	
70	50.0	-.415	-.536	-.618	-.696	-.699	
71	59.0	-.362	-.494	-.581	-.636	-.658	
72	67.5	-.322	-.470	-.554	-.626	-.643	
73	77.5	-.195	-.208	-.216	-.257	-.497	
74	87.2	-.059	-.074	-.082	-.094	-.097	
75	96.8	.044	.035	.029	.020	.013	
H76	2.0	-.450	-.420	-.341	-.247	-.153	
77	6.0	-.424	-.465	-.431	-.368	-.294	
78	15.0	-.358	-.417	-.418	-.371	-.317	
79	27.5	-.362	-.437	-.456	-.455	-.418	
80	40.0	-.360	-.443	-.451	-.472	-.475	
81	50.0	-.339	-.426	-.477	-.456	-.486	
82	59.0	-.278	-.341	-.374	-.397	-.394	
83	67.5	-.211	-.260	-.211	-.307	-.307	
84	88.3	.093	-.135	-.156	-.167	-.180	
85	94.2	--	--	--	--	--	

LOWER SURFACE

Tube	Percent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.052	-0.074	-0.088	-0.105	-0.116	-0.467
91	62.5	-.039	-.039	-.039	-.047	-.052	-.323
92	72.5	.004	.008	.009	.001	-.008	-.072
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.334	.327	.286	.233	.170	.155
96	10.0	.096	.086	.056	.019	-.024	-.023
97	25.0	-.069	-.104	-.136	-.193	-.251	-.233
98	41.0	-.119	-.159	-.187	-.244	-.374	-.409
99	52.5	-.109	-.137	-.158	-.198	-.316	-.467
100	62.5	-.062	-.077	-.084	-.183	-.137	-.408
101	72.5	.007	.007	.008	-.007	-.011	-.185
102	86.3	.080	.092	.097	.085	.070	-.112
103	94.5	.137	.151	.159	.098	.130	-.001
104	3.0	.301	.206	.294	.265	.225	.222
105	10.0	.090	.098	.080	.057	.028	.032
106	25.0	-.052	-.068	-.091	-.124	-.157	-.149
107	41.0	-.102	-.133	-.161	-.210	-.274	-.284
108	52.5	-.106	-.137	-.161	-.209	-.304	-.370
109	62.5	-.060	-.095	-.106	-.151	-.237	-.305
110	72.5	-.022	-.051	-.076	-.096	-.155	-.259
111	85.1	.077	.085	.081	.060	.030	-.076
112	94.6	.134	.145	.146	.107	.056	-.045
113	3.0	.272	.285	.266	.241	.203	.197
114	10.0	.096	.103	.091	.075	.052	.057
115	25.0	-.050	-.064	-.083	-.108	-.135	-.132
116	41.0	-.103	-.133	-.157	-.197	-.243	-.257
117	52.5	-.096	-.124	-.148	-.193	-.242	-.266
118	62.5	-.062	-.083	-.104	-.126	-.200	-.235
119	72.5	.008	-.002	-.015	-.041	-.084	-.120
120	87.4	.086	.090	.079	.063	.033	.014
121	94.2	.100	.105	.096	.080	.057	.044
122	3.0	.332	.375	.355	.327	.301	
123	10.0	.152	.158	.146	.129	.111	
124	25.0	.001	-.013	-.028	-.049	-.067	
125	41.0	-.070	-.083	-.102	-.123	-.156	
126	52.5	-.052	-.061	-.077	-.094	-.126	
127	62.5	-.030	-.038	-.052	-.067	-.103	
128	72.5	-.013	-.009	-.026	-.046	-.090	
129	78.0	.026	.028	.025	.025	-.030	
130	85.3	.101	.104	.095	.084	.031	
131	94.1	.117	.122	.111	.093	.025	
132	3.0	.338	.365	.346	.318	.292	
133	10.0	.139	.159	.146	.131	.114	
134	25.0	-.005	-.005	-.020	-.038	-.069	
135	41.0	-.052	-.066	-.084	-.104	-.133	
136	52.5	-.043	-.052	-.067	-.083	-.106	
137	62.5	.004	-.003	-.018	-.033	-.058	
138	72.5	.026	.019	.010	.002	-.027	
139	83.4	.174	.193	.194	.196	.188	
140	94.0	.106	.105	.095	.089	.053	
141	3.0	.333	.360	.349	.327	.308	
142	10.0	.123	.136	.129	.113	.101	
143	25.0	-.006	-.013	-.028	-.045	-.064	
144	41.0	-.049	-.067	-.084	-.102	-.125	
145	52.5	-.032	-.045	-.061	-.075	-.092	
146	62.5	.016	.019	-.020	-.034	-.051	
147	72.5	.038	.029	.014	.021	.013	
148	84.0	.186	.198	.196	.195	.193	
149	92.0	.121	.122	.116	.113	.109	
150	3.0	.255	.284	.280	.265	.257	
151	10.0	.101	.127	.127	.119	.119	
152	25.0	-.017	-.019	-.024	-.029	-.027	
153	41.0	-.099	-.129	-.151	-.174	-.196	
154	52.5	-.090	-.126	-.151	-.179	-.239	
155	62.5	-.019	-.046	-.062	-.078	-.093	
156	72.5	.077	.075	.070	.069	.070	
157	84.9	.043	.025	-.015	.010	.020	

NACA

TABLE 66

$$\left[\Lambda = -30°,\ \delta_{a_n} = 5.0°,\ \alpha = 4°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.209	-0.464	-0.548	-0.544	-0.369	-0.765
7	59.0	-.182	-.364	-.521	-.541	-.345	-.590
8	67.5	-.130	-.264	-.462	-.506	-.307	-.457
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.184	-1.219	-1.079	-.959	-.765	-.626
13	6.0	-1.165	-1.177	-1.009	-.908	-.864	-.747
14	15.0	-.831	-.810	-.682	-.702	-.911	-.816
15	27.5	-.618	-.595	-.547	-.563	-.894	-.865
16	40.0	-.456	-.589	-.516	-.559	-.774	-.866
17	50.0	-.376	-.519	-.497	-.502	-.638	-.826
18	59.0	-.286	-.405	-.450	-.438	-.572	-.852
19	67.5	-.193	-.293	-.358	-.374	-.524	-.795
20	77.5	-.096	-.180	-.247	-.288	-.468	-.729
21	88.0	.010	-.051	-.156	-.230	-.366	-.521
22	95.3	--	--	--	--		
C23	2.0	-1.453	-1.072	-.831	-.643	-.493	-.378
24	6.0	-.931	-1.147	-.949	-.782	-.647	-.536
25	15.0	-.708	-1.102	-.951	-.809	-.689	-.585
26	27.5	-.606	-.994	-.921	-.864	-.763	-.664
27	40.0	-.531	-.518	-.877	-.817	-.831	-.761
28	50.0	-.436	-.424	-.596	-.737	-.777	-.783
29	59.0	-.350	-.374	-.458	-.646	-.822	-.872
30	67.5	-.232	-.256	-.277	-.545	-.731	-.791
31	77.5	-.127	-.151	-.130	-.287	-.572	-.640
32	88.0	-.013	-.015	-.041	-.089	-.247	-.302
33	95.3	--	--	--	--		
D34	2.0	-1.217	-1.000	-.785	-.609	-.474	-.372
35	15.0	-.655	-1.025	-.893	-.760	-.646	-.547
36	27.5	-.569	-.921	-.924	-.812	-.712	-.625
37	40.0	-.528	-.808	-.964	-.908	-.818	-.733
38	50.0	-.453	-.504	-.916	-.937	-.881	-.811
39	59.0	-.350	-.430	-.713	-.847	-.837	-.802
40	67.5	--	--	--	--		
41	77.5	-.140	-.136	-.122	-.263	-.525	-.616
42	87.5	-.033	-.022	-.005	-.087	-.233	-.391
43	94.2	.021	.038	.056	.010	-.055	-.086
E44	2.0	-1.571	-1.119	-.879	-.699	-.537	
45	6.0	-1.075	-1.117	-.972	-.820	-.679	
46	15.0	-.686	-1.103	-.951	-.822	-.698	
47	27.5	-.592	-1.004	-.969	-.864	-.757	
48	40.0	-.538	-.885	-.933	-.878	-.720	
49	50.0	-.453	-.506	-.913	-.842	-.716	
50	59.0	-.366	-.399	-.864	-.831	-.669	
51	67.5	-.262	-.277	-.478	-.669	-.550	
52	77.5	-.137	.136	-.116	-.388	-.480	
53	88.5	-.007	.034	.003	-.165	-.461	
54	95.5	.018	.044	.013	-.150	-.397	
F55	2.0	-1.453	-1.114	-.871	-.697	-.542	
56	6.0	-.875	-1.136	-.943	-.797	-.658	
57	15.0	-.673	-1.067	-.929	-.807	-.687	
58	27.5	-.582	-.935	-.946	-.846	-.743	
59	49.0	-.535	-.823	-.900	-.824	-.752	
60	50.0	-.465	-.585	-.930	-.863	-.720	
61	59.0	-.379	-.484	-.753	-.714	-.724	
62	67.5	-.282	-.329	-.563	-.619	-.704	
63	86.5	-.066	-.063	-.098	-.388	-.568	
64	94.6	.000	.011	.010	-.160	-.434	
G65	2.0	-1.242	.028	-.804	-.645	-.499	
66	6.0	-.922	-1.082	-.906	-.768	-.637	
67	15.0	-.606	-.897	-.873	-.763	-.651	
68	27.5	-.547	-.765	-.795	-.766	-.686	
69	40.0	-.513	-.717	-.791	-.771	-.721	
70	50.0	-.455	-.608	-.769	-.787	-.796	
71	59.0	-.365	-.453	-.740	-.749	-.748	
72	67.5	-.291	-.352	-.493	-.742	-.741	
73	77.5	-.200	-.229	-.247	-.319	-.653	
74	87.2	-.061	-.088	-.102	-.104	-.130	
75	96.8	.017	-.022	.000	.009	-.014	
H76	2.0	-.947	-.891	-.724	-.589	-.565	
77	6.0	-.709	-.859	-.787	-.677	-.537	
78	15.0	-.510	-.616	-.627	-.599	-.513	
79	27.5	-.453	-.557	-.592	-.563	-.560	
80	40.0	-.423	-.527	-.551	-.573	-.563	
81	50.0	-.384	-.495	-.536	-.534	-.453	
82	59.0	-.311	-.395	-.435	-.456	-.352	
83	67.5	-.238	-.303	-.342	-.349	-.152	
84	88.3	-.121	-.171	-.205	-.228	.102	
85	94.2						

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.024	-0.058	-0.102	-0.142	-0.193	-0.382
91	62.5	-.023	-.043	-.077	-.103	-.110	-.305
92	72.5	-.010	-.005	-.046	-.074	-.086	-.118
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.597	.568	.549	.499	.465	.452
96	10.0	.271	.258	.235	.215	.180	.189
97	25.0	.031	.000	-.030	-.070	-.107	-.103
98	41.0	-.060	-.101	-.138	-.190	-.273	-.284
99	52.5	-.067	-.106	-.143	-.188	-.288	-.355
100	62.5	-.050	-.062	-.096	-.127	-.203	-.319
101	72.5	.020	.007	-.023	-.044	-.072	-.174
102	86.3	.084	.075	.036	.019	.000	-.127
103	94.5	.130	.118	.058	.031	.016	-.053
104	3.0	.555	.542	.525	.495	.473	.468
105	10.0	-.270	.271	.258	.236	.219	.222
106	25.0	.048	.051	.035	.007	-.014	-.006
107	41.0	-.033	-.056	-.082	-.116	-.168	-.167
108	52.5	-.056	-.088	-.117	-.164	-.240	-.271
109	62.5	-.032	-.054	-.079	-.110	-.196	-.238
110	72.5	.017	-.001	-.025	-.065	-.139	-.143
111	85.1	.071	.093	.073	.061	.009	-.038
112	94.6	.121	.136	.122	.115	.046	-.018
113	3.0	.513	.508	.491	.461	.442	.422
114	10.0	.261	.270	.262	.242	.229	.233
115	25.0	.061	.057	.045	.022	.004	.010
116	41.0	-.029	-.045	-.065	-.101	-.136	-.136
117	52.5	-.043	-.061	-.082	-.127	-.175	-.181
118	62.5	-.022	-.033	-.057	-.104	-.156	-.173
119	72.5	.023	.009	-.003	-.031	-.085	-.104
120	87.4	.077	.148	.109	.067	-.022	.020
121	94.2	.106	.111	.107	.068	-.012	.017
122	3.0	.562	.559	.547	.528	.508	
123	10.0	.292	.307	.301	.289	.271	
124	25.0	.090	.114	.089	.075	.055	
125	41.0	.001	-.005	-.013	-.025	-.061	
126	52.5	-.001	-.006	-.012	-.025	-.063	
127	62.5	.001	.019	-.006	-.024	-.069	
128	72.5	.031	.042	.007	-.005	-.056	
129	78.0	.051	.053	.045	.013	-.041	
130	85.3	.081	.094	.097	.054	-.014	
131	94.1	.068	.128	.119	.056	-.032	
132	3.0	.556	.556	.543	.525	.500	
133	10.0	.294	.308	.304	.292	.277	
134	25.0	.097	.102	.097	.084	.077	
135	41.0	.016	.011	.003	-.014	-.036	
136	52.5	.004	.000	-.006	-.020	-.044	
137	62.5	.053	.043	.040	.028	.006	
138	72.5	.073	.068	.064	.049	.026	
139	83.4	.182	.212	.224	.215	.202	
140	94.0	.083	.090	.120	.074	.018	
141	3.0	.546	.555	.513	.531	.514	
142	10.0	.274	.291	.285	.277	.264	
143	25.0	.093	.097	.090	.080	.066	
144	41.0	.016	.007	-.003	-.015	-.031	
145	52.5	.014	.007	-.003	-.014	-.028	
146	62.5	.048	.042	.046	.038	.021	
147	72.5	.088	.077	.067	.055	.037	
148	84.0	.207	.225	.232	.235	.232	
149	92.0	.107	.112	.118	.123	.117	
150	3.0	.478	.497	.494	.486	.475	
151	10.0	.244	.270	.271	.271	.351	
152	25.0	.068	.083	.078	.077	.075	
153	41.0	-.040	-.056	-.071	-.084	-.099	
154	52.5	-.050	.021	-.097	-.116	-.148	
155	62.5	.001	-.011	-.030	-.043	-.060	
156	72.5	.093	.096	.088	.087	-.088	
157	84.9	.036	.015	.005	.003	-.007	

NACA

TABLE 67

$$\left[\Lambda = -30°,\ \delta_{a_n} = 5.0°,\ \alpha = 7°\right]$$

CONFIDENTIAL

		UPPER SURFACE								LOWER SURFACE					
		Mach Number								Mach Number					
Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96	Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--	86	3.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--	87	10.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--	88	25.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--	89	41.0	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--	90	52.5	-0.016	-0.079	-0.125	-0.165	-0.216	-0.272
6	50.0	-0.507	-0.597	-0.594	-0.579	-0.589	-0.750	91	62.5	-.035	-.089	-.123	-.145	-.155	-.208
7	59.0	-.425	-.585	-.599	-.597	-.605	-.742	92	72.5	-.019	-.081	-.117	-.137	-.131	-.121
8	67.5	-.338	-.538	-.561	-.593	-.604	-.671	93	84.0	--	--	--	--	--	--
9	77.5	--	--	--	--	--	--	94	94.0	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--								
11	96.0	--	--	--	--	--	--								
B12	2.0	-.633	-.546	-.546	-.546	-1.007	-.997	95	3.0	.746	.751	.718	.709	.698	.698
13	6.0	-.664	-.558	-.562	-.554	-.965	-.949	96	10.0	.406	.410	.389	.374	.368	.378
14	15.0	-.637	-.556	-.560	-.539	-.744	-.852	97	25.0	.117	.096	.070	.048	.038	.055
15	27.5	-.686	-.588	-.581	-.554	-.593	-.813	98	41.0	-.012	-.056	-.091	-.127	-.154	-.144
16	40.0	-.663	-.618	-.602	-.562	-.585	-.801	99	52.5	-.045	-.096	-.135	-.166	-.224	-.230
17	50.0	-.596	-.626	-.611	-.570	-.577	-.751	100	62.5	-.033	-.084	-.120	-.148	-.179	-.223
18	59.0	-.507	-.605	-.617	-.576	-.562	-.633	101	72.5	.004	-.042	-.072	-.088	-.099	-.139
19	67.5	-.408	-.562	-.604	-.569	-.528	-.559	102	86.3	.038	-.023	-.051	.027	-.055	-.083
20	77.5	-.304	-.474	-.559	-.526	-.450	-.597	103	94.5	.041	-.043	-.076	.009	-.061	-.075
21	88.0	-.188	-.367	-.432	-.407	-.333	-.641								
22	95.3	--	--	--	--	--	--								
C23	2.0	-1.329	-1.385	-1.244	-1.041	-.881	-.748	104	3.0	.727	.722	.703	.687	.681	.684
24	6.0	-1.273	-1.328	-1.164	-1.069	-.936	-.815	105	10.0	.432	.436	.416	.406	.401	.414
25	15.0	-.991	-1.048	-1.075	-1.017	-.933	-.827	106	25.0	.174	.191	.153	.137	.135	.154
26	27.5	-.687	-.740	-.785	-.957	-.908	-.867	107	41.0	.033	.013	-.014	-.040	-.053	-.040
27	40.0	-.556	-.579	-.609	-.762	-.876	-.886	108	52.5	.000	-.048	-.081	-.119	-.149	-.142
28	50.0	-.484	-.508	-.535	-.619	-.760	-.840	109	62.5	.003	-.046	-.079	-.114	-.150	-.155
29	59.0	-.405	-.436	-.448	-.506	-.661	-.847	110	72.5	.024	-.003	-.031	-.059	-.096	-.098
30	67.5	-.297	-.363	-.376	-.418	-.577	-.803	111	85.1	.056	.027	.004	-.005	-.014	-.045
31	77.5	-.206	-.323	-.359	-.406	-.529	-.768	112	94.6	.080	.040	.019	.024	.019	-.015
32	88.0	-.102	-.252	-.317	-.383	-.452	-.622								
33	95.3	--	--	--	--	--	--								
D34	2.0	-1.934	-1.437	-1.163	-.964	-.813	-.686	113	3.0	.727	.692	.674	.656	.648	.653
35	15.0	-.962	-1.311	-1.152	-1.010	-.895	-.786	114	10.0	.435	.436	.421	.408	.407	.417
36	27.5	-.660	-1.222	-1.087	-1.034	-.930	-.829	115	25.0	.184	.186	.171	.155	.153	.169
37	40.0	-.564	-.814	-1.036	-1.004	-.975	-.882	116	41.0	.056	.046	.023	-.004	-.014	.004
38	50.0	-.465	-.626	-.799	-.992	-.948	-.887	117	52.5	.017	.002	-.028	-.062	-.079	-.064
39	59.0	-.372	-.470	-.703	-.896	-.903	-.845	118	62.5	.014	.001	-.033	-.072	-.087	-.084
40	67.5	--	--	--	--	--	--	119	72.5	.046	.040	.006	-.032	-.055	-.045
41	77.5	-.156	-.135	-.138	-.331	-.558	-.741	120	87.4	.096	.111	.066	.023	.007	.013
42	87.5	-.079	-.063	-.130	-.216	-.277	-.569	121	94.2	.073	.064	.040	.004	-.024	-.010
43	94.2	-.050	.138	-.112	-.188	-.248	-.286								
E44	2.0	-1.810	-1.525	-1.251	-1.068	-.905		122	3.0	.734	.731	.716	.709	.700	
45	6.0	-1.663	-1.499	-1.272	-1.112	-.964		123	10.0	.454	.467	.324	.448	.441	
46	15.0	-1.219	-1.385	-1.196	-1.064	-.945		124	25.0	.211	.224	.211	.204	.197	
47	27.5	-.748	-1.308	-1.120	-1.005	-.904		125	41.0	.086	.111	.075	.063	.041	
48	40.0	-.563	-.932	-.927	-.872	-.862		126	52.5	.058	.065	.045	.030	.014	
49	50.0	-.453	-.747	-.761	-.718	-.720		127	62.5	.041	.047	.022	.000	-.021	
50	59.0	-.354	-.607	-.689	-.642	-.647		128	72.5	.090	.061	.028	-.002	-.036	
51	67.5	-.257	-.405	-.608	-.600	-.613		129	78.0	.066	.075	.035	-.001	-.037	
52	77.5	-.160	-.197	-.451	-.570	-.604		130	85.3	.093	.107	.058	.016	-.020	
53	88.5	-.063	-.103	-.371	-.576	-.615		131	94.1	.090	.101	.013	-.036	-.040	
54	95.5	-.049	-.086	-.326	-.487	-.528									
F55	2.0	-1.832	-1.543	-1.263	-1.078	-.913		132	3.0	.735	.638	.721	.702	.701	
56	6.0	-1.752	-1.488	-1.256	-1.095	-.944		133	10.0	.457	.472	.463	.457	.451	
57	15.0	-1.165	-1.404	-1.199	-1.065	-.936		134	25.0	.218	.236	.226	.220	.214	
58	27.5	-.732	-1.303	-1.131	-1.007	-.917		135	41.0	.104	.111	.099	.089	.076	
59	49.0	-.570	-1.084	-1.077	-.988	-.881		136	52.5	.066	.073	.062	.050	.035	
60	50.0	-.471	-.738	-.811	-.905	-.879		137	62.5	.083	.095	.046	.076	.059	
61	59.0	-.374	-.601	-.700	-.766	-.800		138	72.5	.128	.140	.128	.114	.098	
62	67.5	-.278	-.468	-.655	-.714	-.743		139	83.4	.223	.254	.250	.248	.233	
63	86.5	-.100	-.146	-.520	-.703	-.727		140	94.0	.071	.191	.061	.023	-.030	
64	94.6	-.053	-.052	-.366	-.594	-.668									
G65	2.0	-1.950	-1.509	-1.233	-1.050	-.889		141	3.0	.734	.737	.726	.719	.713	
66	6.0	-1.688	-1.472	-1.236	-1.072	-.925		142	10.0	.445	.464	.455	.450	.448	
67	15.0	-1.028	-1.381	-1.179	-1.040	-.912		143	25.0	.218	.236	.226	.221	.219	
68	27.5	-.683	-1.267	-1.171	-1.050	-.931		144	41.0	.104	.111	.101	.092	.086	
69	40.0	-.583	-1.229	-1.112	-1.072	-.975		145	52.5	.078	.083	.072	.065	.058	
70	50.0	-.491	-.779	-1.093	-1.021	-.962		146	62.5	.100	.109	.097	.090	.084	
71	59.0	-.388	-.404	-1.069	-1.020	-.942		147	72.5	.140	.147	.140	.135	.129	
72	67.5	-.301	-.331	-.670	-.998	-.940		148	84.0	.218	.258	.272	.283	.287	
73	77.5	-.194	-.216	-.220	-.463	-.761		149	92.0	.106	.119	.121	.123	.123	
74	87.2	-.094	-.110	-.096	-.117	-.223									
75	96.8	-.044	-.061	-.036	-.034	-.050									
H76	2.0	-1.823	-1.389	-1.140	-.968	-.820		150	3.0	.705	.717	.707	.701	.699	
77	6.0	-1.485	-1.362	-1.134	-.979	-.842		151	10.0	.418	.447	.442	.442	.447	
78	15.0	-.715	-1.204	-1.072	-.951	-.842		152	25.0	.187	.213	.209	.211	.216	
79	27.5	-.595	-.765	-.935	-.886	-.816		153	41.0	.047	.045	.031	.026	.029	
80	40.0	-.518	-.656	-.728	-.704	-.676		154	52.5	.017	-.001	-.020	-.030	-.038	
81	50.0	-.457	-.621	-.648	-.682	-.657		155	62.5	.051	.041	.021	.012	.004	
82	59.0	-.371	-.502	-.568	-.569	-.572		156	72.5	.121	.126	.115	.117	.122	
83	67.5	-.297	-.409	-.440	-.452	-.441		157	84.9	.024	-.006	-.014	-.014	-.005	
84	88.3	-.149	-.269	-.318	-.346	-.356									
85	94.2	--	--	--	--	--									

NACA

TABLE 68

$$\left[\Lambda = -30^\circ, \delta_{a_n} = 10.0^\circ, \alpha = -2^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number			
		0.60	0.80	0.85	0.89
A 1	2.0	--	--	--	--
2	6.0	--	--	--	--
3	15.0	--	--	--	--
4	27.5	--	--	--	--
5	40.0	--	--	--	--
6	50.0	-0.198	-0.223	-0.223	-0.193
7	59.0	-.167	-.181	-.170	-.129
8	67.5	-.108	-.086	-.086	-.065
9	77.5	--	--	--	--
10	87.5	--	--	--	--
11	96.0	--	--	--	--
B12	2.0	.352	.391	.400	.401
13	6.0	.047	.065	.070	.075
14	15.0	-.141	-.185	-.203	-.209
15	27.5	-.229	-.300	-.359	-.416
16	40.0	-.269	-.343	-.407	-.544
17	50.0	-.261	-.318	-.357	-.494
18	59.0	-.221	-.261	-.303	-.454
19	67.5	-.170	-.227	-.145	-.064
20	77.5	-.055	-.053	-.055	-.024
21	88.0	.044	.057	.061	.074
22	95.3	--	--	--	--
C23	2.0	.337	.374	.414	.422
24	6.0	.068	.111	.131	.143
25	15.0	-.113	-.111	-.099	-.091
26	27.5	-.215	-.258	-.278	-.286
27	40.0	-.275	-.353	-.413	-.473
28	50.0	-.256	-.335	-.394	-.543
29	59.0	-.238	-.287	-.337	-.481
30	67.5	-.180	-.235	-.265	-.287
31	77.5	-.083	-.081	-.083	-.085
32	88.0	.030	.037	.041	.049
33	95.3	--	--	--	--
D34	2.0	.268	.335	.362	.379
35	15.0	-.113	-.105	-.097	-.089
36	27.5	-.209	-.241	-.253	-.260
37	40.0	-.278	-.345	-.389	-.435
38	50.0	-.279	-.345	-.397	-.504
39	59.0	-.209	-.278	-.331	-.447
40	67.5	--	--	--	--
41	77.5	-.106	-.051	-.071	-.110
42	87.5	-.001	-.001	-.005	-.020
43	94.2	.064	.071	.067	.055
E44	2.0	.222	.269	.299	.333
45	6.0	-.005	.016	.039	.074
46	15.0	-.157	-.176	-.169	-.145
47	27.5	-.232	-.305	-.320	-.306
48	40.0	-.308	-.407	-.462	-.473
49	50.0	-.306	-.402	-.470	-.582
50	59.0	-.270	-.349	-.405	-.518
51	67.5	-.217	-.301	-.366	-.480
52	77.5	-.124	-.051	-.046	-.079
53	88.5	.103	.101	.100	.094
54	95.5	.070	.069	.070	.071
F55	2.0	.205	.266	.301	.338
56	6.0	-.017	.015	.043	.075
57	15.0	-.164	-.171	-.159	-.132
58	27.5	-.257	-.303	-.310	-.294
59	40.0	-.327	-.414	-.460	-.462
60	50.0	-.334	-.428	-.491	-.570
61	59.0	-.311	-.391	-.438	-.523
62	67.5	-.284	-.351	-.395	-.474
63	86.5	-.114	-.123	-.231	-.164
64	94.6	.023	.024	.044	.033
G65	2.0	.218	.292	.328	.363
66	6.0	.020	.039	.069	.102
67	15.0	-.151	-.142	-.125	-.098
68	27.5	-.254	-.278	-.276	-.260
69	40.0	-.327	-.390	-.415	-.415
70	50.0	-.347	-.422	-.463	-.513
71	59.0	-.324	-.385	-.417	-.455
72	67.5	-.301	-.347	-.372	-.408
73	77.5	-.297	-.310	-.324	-.363
74	87.2	-.268	-.297	-.321	-.298
75	96.8	.048	.066	.041	.004
H76	2.0	.219	.285	.316	.342
77	6.0	.003	.045	.074	.101
78	15.0	-.114	-.101	-.085	-.065
79	27.5	-.211	-.225	-.220	-.210
80	40.0	-.270	-.306	-.314	-.308
81	50.0	-.290	-.342	-.362	-.378
82	59.0	-.264	-.306	-.327	-.335
83	67.5	-.238	-.266	-.278	-.280
84	88.3	-.139	-.167	-.181	-.201
85	94.2	--	--	--	--

LOWER SURFACE

Tube	Per-cent chord	Mach Number			
		0.60	0.80	0.85	0.89
86	3.0	--	--	--	--
87	10.0	--	--	--	--
88	25.0	--	--	--	--
89	41.0	--	--	--	--
90	52.5	-0.108	-0.101	-0.102	-0.063
91	62.5	-.080	-.064	-.054	-.029
92	72.5	-.024	-.005	.003	.020
93	84.0	--	--	--	--
94	94.0	--	--	--	--
95	3.0	-.752	--	-.961	-.832
96	10.0	-.367	-.644	-.951	-.903
97	25.0	-.282	-.326	-.468	-.813
98	41.0	-.256	-.281	-.218	-.414
99	52.5	-.185	-.195	-.180	-.054
100	62.5	-.121	-.118	-.105	-.036
101	72.5	-.039	-.025	-.014	.019
102	86.3	.051	.073	.081	.102
103	94.5	.114	.133	.142	.162
104	3.0	-.504	-.641	-.693	-.619
105	10.0	-.344	-.482	-.528	-.564
106	25.0	-.301	-.408	-.498	-.523
107	41.0	-.239	-.300	-.419	-.506
108	52.5	-.223	-.244	-.241	-.503
109	62.5	-.143	-.158	-.146	-.200
110	72.5	-.044	-.042	-.032	-.006
111	85.1	.034	.047	.046	.077
112	94.6	.096	.110	.113	.125
113	3.0	-.439	-.560	-.626	-.583
114	10.0	-.308	-.386	-.423	-.495
115	25.0	-.298	-.365	-.416	-.447
116	41.0	-.261	-.330	-.385	-.445
117	52.5	-.221	-.254	-.296	-.347
118	62.5	-.134	-.161	-.190	-.230
119	72.5	-.034	-.058	-.071	-.104
120	87.4	.053	.053	.023	.037
121	94.2	.074	.080	.074	.062
122	3.0	-.261	-.310	-.340	-.372
123	10.0	-.215	-.262	-.287	-.303
124	25.0	-.221	-.277	-.311	-.347
125	41.0	-.201	-.246	-.271	-.294
126	52.5	-.149	-.185	-.209	-.232
127	62.5	-.106	-.125	-.134	-.136
128	72.5	-.036	-.055	-.068	-.086
129	78.0	.001	-.012	-.022	-.037
130	85.3	.050	.044	.036	.025
131	94.1	.086	.088	.084	.077
132	3.0	-.261	-.323	-.360	-.394
133	10.0	-.198	-.248	-.275	-.297
134	25.0	-.197	-.250	-.282	-.318
135	41.0	-.167	-.213	-.239	-.268
136	52.5	-.118	-.158	-.185	-.213
137	62.5	-.040	-.007	-.004	.002
138	72.5	.100	.103	.101	.101
139	83.4	.196	.209	.209	.209
140	94.0	.102	.094	.089	.078
141	3.0	-.220	-.282	-.314	-.337
142	10.0	-.191	-.254	-.289	-.320
143	25.0	-.177	-.237	-.273	-.312
144	41.0	-.136	-.185	-.210	-.238
145	52.5	-.088	-.139	-.161	-.192
146	62.5	.001	.031	.023	.027
147	72.5	.132	.127	.122	.117
148	84.0	.222	.228	.225	.223
149	92.0	.139	.132	.124	.116
150	3.0	-.278	-.342	-.380	-.407
151	10.0	-.185	-.225	-.242	-.252
152	25.0	-.167	-.214	-.235	-.248
153	41.0	-.171	-.231	-.270	-.332
154	52.5	-.122	-.169	-.195	-.226
155	62.5	-.020	-.040	-.053	-.065
156	72.5	.126	.121	.117	.112
157	84.9	.087	.079	.073	.065

NACA

TABLE 69

$$\left[\Lambda = -30^\circ,\ \delta_{a_n} = 10.0^\circ,\ \alpha_r = 0^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.233	-0.240	-0.190	-0.230	-0.493	-0.612
7	59.0	-.189	-.185	-.169	-.139	-.311	-.673
8	67.5	-.123	-.111	-.094	-.065	-.188	-.540
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.265	-.275	-.174	-.048	.036	.127
13	6.0	-.340	-.446	-.394	-.292	-.212	-.125
14	15.0	-.343	-.500	-.550	-.495	-.436	-.356
15	27.5	-.353	-.462	-.645	-.631	-.573	-.494
16	40.0	-.350	-.426	-.576	-.661	-.684	-.616
17	50.0	-.318	-.375	-.411	-.632	-.668	-.709
18	59.0	-.273	-.313	-.179	-.470	-.643	-.744
19	67.5	-.207	-.148	-.137	-.309	-.501	-.700
20	77.5	-.086	-.075	-.058	-.095	-.253	-.624
21	88.0	.034	.049	.061	.094	.035	-.194
22	95.3	--	--	--	--	--	--
C23	2.0	-.099	-.054	.004	.084	.148	.222
24	6.0	-.233	-.234	-.197	-.133	-.074	.000
25	15.0	-.316	-.376	-.361	-.310	-.256	-.200
26	27.6	-.356	-.477	-.510	-.475	-.424	-.354
27	40.0	-.377	-.501	-.646	-.630	-.578	-.507
28	50.0	-.331	-.420	-.551	-.713	-.717	-.656
29	59.0	-.296	-.386	-.501	-.709	-.754	-.735
30	67.5	-.242	-.178	-.143	-.549	-.681	-.677
31	77.5	-.104	-.100	-.081	-.077	-.185	-.557
32	88.0	.013	.025	.041	.010	-.080	-.185
33	95.3	--	--	--	--	--	--
D34	2.0	-.120	-.053	-.002	.067	.125	.196
35	15.0	-.303	-.345	-.334	-.293	-.243	-.179
36	27.5	-.344	-.436	-.460	-.435	-.389	-.327
37	40.0	-.382	-.500	-.595	-.588	-.540	-.474
38	50.0	-.359	-.454	-.544	-.659	-.651	-.595
39	59.0	-.283	-.374	-.456	-.574	-.594	-.593
40	67.5	--	--	--	--	--	--
41	77.5	-.099	-.107	-.116	-.174	-.440	-.548
42	87.5	-.017	-.014	-.014	-.025	-.142	-.349
43	94.2	.057	.065	.064	.047	.014	-.146
E44	2.0	-.214	-.175	-.144	-.018	.076	
45	6.0	-.296	-.316	-.280	-.203	-.120	
46	15.0	-.347	-.423	-.416	-.359	-.293	
47	27.5	-.378	-.501	-.523	-.482	-.423	
48	40.0	-.407	-.566	-.654	-.617	-.559	
49	50.0	-.380	-.513	-.670	-.695	-.602	
50	59.0	-.328	-.454	-.627	-.643	-.568	
51	67.5	-.280	-.384	-.418	-.612	-.538	
52	77.5	-.089	-.109	-.091	-.306	-.395	
53	88.5	.077	.076	.075	.029	-.214	
54	95.5	.061	.064	.062	.050	-.130	
F55	2.0	-.229	-.166	-.105	-.010	.080	
56	6.0	-.303	-.307	-.271	-.201	-.126	
57	15.0	-.348	-.405	-.391	-.341	-.279	
58	27.5	-.386	-.488	-.504	-.463	-.407	
59	49.0	-.423	-.570	-.635	-.597	-.543	
60	50.0	-.407	-.541	-.674	-.719	-.658	
61	59.0	-.368	-.479	-.608	-.667	-.607	
62	67.5	-.330	-.434	-.584	-.652	-.598	
63	86.5	-.104	-.095	-.080	-.124	-.359	
64	94.6	.024	.025	.044	.004	-.192	
G65	2.0	-.186	-.101	-.046	.040	.116	
66	6.0	-.276	-.253	-.220	-.158	-.093	
67	15.0	-.320	-.346	-.333	-.291	-.240	
68	27.5	-.370	-.435	-.441	-.405	-.360	
69	40.0	-.413	-.519	-.559	-.535	-.488	
70	50.0	-.411	-.520	-.596	-.648	-.610	
71	59.0	-.371	-.462	-.531	-.592	-.614	
72	67.5	-.336	-.423	-.492	-.553	-.565	
73	77.5	-.306	-.382	-.450	-.493	-.502	
74	87.2	-.290	-.240	-.160	-.175	-.243	
75	96.8	.061	.043	.011	-.008	-.026	
H76	2.0	-.107	-.032	.009	.069	.129	
77	6.0	-.217	-.195	-.168	-.124	-.072	
78	15.0	-.250	-.256	-.247	-.220	-.179	
79	27.5	-.303	-.336	-.338	-.328	-.311	
80	40.0	-.334	-.385	-.396	-.385	-.376	
81	50.0	-.337	-.401	-.430	-.435	-.410	
82	59.0	-.303	-.347	-.372	-.387	-.388	
83	67.5	-.271	-.289	-.316	-.304	-.307	
84	88.3	-.136	-.187	-.213	-.245	-.257	
85	94.2	--	--	--	--	--	

LOWER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.077	-0.090	-0.093	-0.100	-0.077	-0.521
91	62.5	-.060	-.048	-.044	-.043	-.025	-.348
92	72.5	-.009	.001	.007	.009	.025	-.058
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	-.088	-.109	-.153	-.219	-.226	-.219
96	10.0	-.126	-.162	-.201	-.285	-.337	-.346
97	25.0	-.182	-.226	-.264	-.357	-.405	-.412
98	41.0	-.190	-.220	-.243	-.299	-.465	-.513
99	52.5	-.157	-.178	-.190	-.185	-.388	-.575
100	62.5	-.097	-.100	-.093	-.087	-.051	-.521
101	72.5	-.017	.001	.004	.002	.029	-.219
102	86.3	.066	.088	.092	.096	.102	-.083
103	94.5	.128	.148	.154	.162	.166	.037
104	3.0	-.036	-.025	-.040	-.070	-.066	-.064
105	10.0	-.117	-.135	-.154	-.188	-.189	-.173
106	25.0	-.174	-.211	-.241	-.294	-.302	-.295
107	41.0	-.170	-.211	-.241	-.321	-.380	-.368
108	52.5	-.165	-.193	-.213	-.274	-.389	-.475
109	62.5	-.116	-.145	-.170	-.235	-.337	-.420
110	72.5	-.019	.017	.019	.020	-.014	-.263
111	85.1	.053	.064	.067	.061	.050	-.098
112	94.6	.120	.134	.141	.129	.091	-.063
113	3.0	-.026	-.025	-.044	-.073	-.079	-.093
114	10.0	-.095	-.095	-.107	-.128	-.128	-.125
115	25.0	-.163	-.193	-.215	-.252	-.261	-.280
116	41.0	-.180	-.218	-.244	-.298	-.336	-.348
117	52.5	-.152	-.185	-.206	-.259	-.307	-.330
118	62.5	-.102	-.123	-.139	-.183	-.234	-.297
119	72.5	-.017	-.027	-.033	-.059	-.087	-.118
120	87.4	.069	.076	.065	.053	.043	.032
121	94.2	.078	.096	.098	.085	.066	.051
122	3.0	.111	.126	.121	.089	.060	
123	10.0	-.012	-.010	-.014	-.027	-.053	
124	25.0	-.100	-.120	-.131	-.155	-.185	
125	41.0	-.121	-.145	-.158	-.182	-.213	
126	52.5	-.086	-.104	-.113	-.132	-.159	
127	62.5	-.057	-.072	-.083	-.103	-.134	
128	72.5	-.036	-.040	-.036	-.033	-.067	
129	78.0	.038	.026	.020	-.007	-.043	
130	85.3	.077	.076	.073	.063	.012	
131	94.1	.103	.106	.105	.095	.023	
132	3.0	.106	.110	.103	.070	.041	
133	10.0	.000	-.003	-.009	-.031	-.049	
134	25.0	-.080	-.101	-.113	-.138	-.164	
135	41.0	-.089	-.113	-.127	-.149	-.177	
136	52.5	-.054	-.068	-.077	-.095	-.119	
137	62.5	-.014	-.036	-.050	-.074	-.104	
138	72.5	.144	.156	.159	.158	.151	
139	83.4	.223	.240	.246	.246	.234	
140	94.0	.114	.111	.107	.094	.044	
141	3.0	.118	.113	.110	.083	.064	
142	10.0	-.006	-.023	-.030	-.052	-.070	
143	25.0	-.069	-.101	-.116	-.142	-.169	
144	41.0	-.067	-.097	-.113	-.132	-.156	
145	52.5	-.026	-.048	-.061	-.079	-.100	
146	62.5	.008	-.018	-.036	-.051	-.084	
147	72.5	.171	.175	.177	.173	.161	
148	84.0	.243	.256	.257	.255	.249	
149	92.0	.150	.152	.145	.136	.120	
150	3.0	.036	.031	.030	.016	.008	
151	10.0	-.029	-.036	-.036	-.041	-.039	
152	25.0	-.086	-.113	-.123	-.135	-.138	
153	41.0	-.120	-.166	-.191	-.225	-.261	
154	52.5	-.083	-.124	-.145	-.173	-.218	
155	62.5	-.024	-.061	-.079	-.078	-.072	
156	72.5	.148	.154	.155	.151	.153	
157	84.9	.083	.073	.068	.065	.069	

NACA

TABLE 70

$$\left[\Lambda = -30°, \; \delta_{a_n} = 10.0°, \; \alpha = 2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.249	-0.224	-0.168	-0.287	-0.489	-0.682
7	59.0	-.202	-.208	-.129	-.191	-.351	-.765
8	67.5	-.136	-.105	-.067	-.109	-.234	-.613
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.291	-1.024	-.790	-.610	-.426	-.290
13	6.0	-.837	-1.109	-.909	-.747	-.575	-.447
14	15.0	-.535	-1.049	-.924	-.812	-.684	-.573
15	27.5	-.455	-.927	-1.016	-.951	-.834	-.728
16	40.0	-.412	-.304	-.907	-.913	-.874	-.781
17	50.0	-.356	-.318	-.430	-.857	-.850	-.814
18	59.0	-.278	-.257	-.292	-.489	-.809	-.848
19	67.5	-.196	-.170	-.157	-.337	-.487	-.832
20	77.5	-.104	-.075	-.050	-.261	-.326	-.655
21	88.0	.020	.046	.070	.057	-.081	-.450
22	95.3	--	--	--	--	--	--
C23	2.0	-.732	-.663	-.495	-.357	-.208	-.098
24	6.0	-.601	-.697	-.600	-.486	-.353	-.250
25	15.0	-.535	-.703	-.618	-.539	-.440	-.356
26	27.5	-.492	-.760	-.758	-.686	-.596	-.513
27	40.0	-.463	-.706	-.834	-.796	-.712	-.629
28	50.0	-.390	-.611	-.723	-.832	-.799	-.721
29	59.0	-.353	-.247	-.755	-.827	-.848	-.825
30	67.5	-.209	-.193	-.152	-.632	-.769	-.732
31	77.5	-.126	-.100	-.075	-.165	-.256	-.532
32	88.0	.002	.020	.008	-.117	-.188	-.261
33	95.3	--	--	--	--	--	--
D34	2.0	-.681	-.644	-.496	-.366	-.223	-.113
35	15.0	-.504	-.639	-.580	-.507	-.420	-.343
36	27.5	-.478	-.675	-.681	-.630	-.550	-.475
37	40.0	-.474	-.673	-.782	-.744	-.670	-.595
38	50.0	-.425	-.599	-.730	-.718	-.756	-.701
39	59.0	-.331	-.447	-.626	-.666	-.669	-.661
40	67.5	--	--	--	--	--	--
41	77.5	-.139	-.142	-.134	-.488	-.609	-.652
42	87.5	-.029	-.024	-.021	-.073	-.339	-.491
43	94.2	.045	.056	.051	.058	.017	-.259
E44	2.0	-.825	-.783	-.587	-.418	-.265	
45	6.0	-.650	-.850	-.710	-.549	-.407	
46	15.0	-.554	-.725	-.663	-.567	-.471	
47	27.5	-.514	-.761	-.745	-.669	-.585	
48	40.0	-.503	-.772	-.822	-.747	-.677	
49	50.0	-.453	-.700	-.767	-.700	-.633	
50	59.0	-.380	-.581	-.761	-.679	-.605	
51	67.5	-.262	-.259	-.624	-.547	-.522	
52	77.5	-.145	-.148	-.219	-.416	-.445	
53	88.5	.0040	.049	.047	-.261	-.349	
54	95.5	.053	.055	.043	-.177	-.294	
F55	2.0	-.825	-.773	-.580	-.408	-.258	
56	6.0	-.647	-.801	-.673	-.530	-.400	
57	15.0	-.550	-.696	-.639	-.548	-.453	
58	27.5	-.517	-.719	-.708	-.640	-.561	
59	40.0	-.514	-.763	-.799	-.740	-.669	
60	50.0	-.475	-.690	-.794	-.720	-.663	
61	59.0	-.417	-.637	-.773	-.705	-.648	
62	67.5	-.351	-.399	-.737	-.706	-.642	
63	86.5	-.100	-.109	-.120	-.398	-.455	
64	94.6	.024	.019	.006	-.225	-.396	
G65	2.0	-.737	-.676	-.511	-.355	-.215	
66	6.0	-.599	-.684	-.599	-.479	-.366	
67	15.0	-.507	-.608	-.554	-.485	-.407	
68	27.5	-.494	-.627	-.605	-.559	-.496	
69	40.0	-.501	-.669	-.697	-.653	-.605	
70	50.0	-.478	-.627	-.737	-.748	-.705	
71	59.0	-.428	-.578	-.678	-.708	-.698	
72	67.5	-.391	-.559	-.668	-.678	-.656	
73	77.5	-.337	-.343	-.404	-.592	-.590	
74	87.2	-.115	-.127	-.138	-.156	-.270	
75	96.8	.031	.007	-.012	-.046	-.065	
H76	2.0	-.528	-.485	-.384	-.268	-.163	
77	6.0	-.478	-.520	-.468	-.388	-.308	
78	15.0	-.395	-.448	-.431	-.377	-.316	
79	27.5	-.395	-.463	-.474	-.468	-.421	
80	40.0	-.397	-.478	-.471	-.478	-.476	
81	50.0	-.385	-.478	-.496	-.473	-.481	
82	59.0	-.338	-.411	-.434	-.434	-.432	
83	67.5	-.271	-.329	-.357	-.340	-.324	
84	88.3	-.163	-.228	-.256	-.287	-.322	
85	94.2	--	--	--	--	--	

LOWER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.048	-0.061	-0.073	-0.101	-0.112	-0.464
91	62.5	-.039	-.032	-.034	-.044	-.053	-.333
92	72.5	.005	.014	.014	.003	-.008	-.070
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.389	.361	.315	.271	.203	.174
96	10.0	.114	.106	.078	.045	-.002	-.012
97	25.0	-.047	-.090	-.121	-.170	-.235	-.228
98	41.0	-.117	-.146	-.174	-.226	-.340	-.400
99	52.5	-.106	-.128	-.148	-.189	-.286	-.462
100	62.5	-.062	-.070	-.077	-.106	-.143	-.394
101	72.5	.004	.014	.012	-.009	-.018	-.190
102	86.3	.077	.094	.098	.078	.061	-.127
103	94.5	.133	.153	.161	.136	.121	-.028
104	3.0	.327	.342	.318	.290	.249	.238
105	10.0	.106	.114	.098	.078	.048	.043
106	25.0	-.041	-.052	-.071	-.100	-.136	-.138
107	41.0	-.093	-.119	-.144	-.189	-.249	-.271
108	52.5	-.103	-.126	-.148	-.192	-.276	-.364
109	62.5	-.062	-.075	-.094	-.134	-.212	-.297
110	72.5	-.019	-.038	-.062	-.095	-.153	-.243
111	85.1	.076	.089	.083	.054	.016	-.096
112	94.6	.130	.146	.142	.087	.034	-.063
113	3.0	.304	.314	.292	.269	.231	.213
114	10.0	.103	.127	.115	.100	.077	.073
115	25.0	-.035	-.042	-.060	-.082	-.109	-.113
116	41.0	-.093	-.115	-.136	-.170	-.215	-.235
117	52.5	-.088	-.109	-.130	-.169	-.221	-.255
118	62.5	-.057	-.070	-.090	-.124	-.172	-.238
119	72.5	.007	.008	-.004	-.029	-.067	-.115
120	87.4	.087	.093	.085	.071	.049	.030
121	94.2	.096	.106	.103	.092	.075	.060
122	3.0	.402	.428	.402	.364	.329	
123	10.0	.173	.200	.183	.157	.134	
124	25.0	.017	.024	.008	-.017	-.045	
125	41.0	-.043	-.063	-.063	-.091	-.124	
126	52.5	-.027	-.029	-.043	-.067	-.101	
127	62.5	-.012	-.013	-.024	-.050	-.092	
128	72.5	.016	.009	-.006	-.040	-.097	
129	78.0	.031	.034	.030	.004	-.080	
130	85.3	.100	.102	.095	.056	-.015	
131	94.1	.114	.122	.112	.048	-.036	
132	3.0	.396	.418	.392	.354	.319	
133	10.0	.182	.205	.188	.163	.141	
134	25.0	.033	.039	.023	-.001	-.026	
135	41.0	-.013	-.017	-.033	-.057	-.087	
136	52.5	.003	.002	-.008	-.026	-.053	
137	62.5	.050	.048	.034	.013	-.015	
138	72.5	.154	.171	.175	.176	.142	
139	83.4	.250	.275	.279	.275	.255	
140	94.0	.126	.122	.117	.093	.019	
141	3.0	.392	.403	.392	.360	.332	
142	10.0	.166	.182	.168	.145	.125	
143	25.0	.037	.034	.017	-.005	-.027	
144	41.0	.000	-.011	-.029	-.049	-.069	
145	52.5	.026	.020	.005	-.011	-.026	
146	62.5	.067	.059	.038	.022	-.002	
147	72.5	.194	.214	.211	.208	.201	
148	84.0	.265	.284	.283	.281	.277	
149	92.0	.159	.160	.153	.146	.135	
150	3.0	.308	.334	.322	.297	.281	
151	10.0	.123	.145	.140	.129	.125	
152	25.0	.003	.000	-.011	-.024	-.031	
153	41.0	-.065	-.091	-.115	-.140	-.171	
154	52.5	-.046	-.073	-.098	-.121	-.150	
155	62.5	.017	-.004	-.024	-.045	-.053	
156	72.5	.172	.182	.172	.173	.174	
157	84.9	.076	.064	.053	.054	.062	

NACA

TABLE 71

$$\left[\Lambda = -30^\circ,\ \delta_{a_n} = 10.0^\circ,\ \alpha = 4^\circ\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	.--	--
3	15.0	--	--	--	--	--.	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.203	-0.483	-0.528	-0.522	-0.396	-0.750
7	59.0	-.181	-.462	-.546	-.546	-.385	-.646
8	67.5	-.132	-.387	-.502	-.511	-.340	-.452
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-1.166	-.625	-.560	-.782	-.787	-.640
13	6.0	-1.173	-.634	-.558	-.738	-.870	-.756
14	15.0	-1.013	-.603	-.518	-.648	-.874	-.806
15	27.5	-.648	-.633	-.533	-.572	-.884	-.841
16	40.0	-.474	-.609	-.551	-.570	-.799	-.883
17	50.0	-.383	-.571	-.553	-.535	-.664	-.838
18	59.0	-.290	-.512	-.541	-.511	-.580	-.852
19	67.5	-.198	-.440	-.499	-.435	-.527	-.795
20	77.5	-.101	-.318	-.390	-.380	-.461	-.730
21	88.0	.005	-.165	-.236	-.358	-.368	-.554
22	95.3	--	--	--	--	--	--
C23	2.0	-1.585	-1.087	-.852	-.653	-.534	-.387
24	6.0	-.895	-1.158	-.965	-.792	-.668	-.545
25	15.0	-.750	-1.060	-.968	-.818	-.708	-.592
26	27.5	-.618	-.925	-.911	-.862	-.782	-.671
27	40.0	-.541	-.391	-.838	-.811	-.849	-.765
28	50.0	-.446	-.473	-.495	-.639	-.775	-.781
29	59.0	-.359	-.399	-.394	-.608	-.828	-.867
30	67.5	-.240	-.281	-.263	-.515	-.749	-.792
31	77.5	-.134	-.179	-.160	-.336	-.644	-.767
32	88.0	-.019	-.044	-.072	-.137	-.244	-.274
33	95.3	--	--	--	--	--	--
D34	2.0	-1.284	-1.030	-.811	-.627	-.501	-.381
35	15.0	-.687	-1.054	-.913	-.772	-.668	-.556
36	27.5	-.588	-.964	-.945	-.826	-.733	-.630
37	40.0	-.541	-.848	-.924	-.917	-.832	-.737
38	50.0	-.468	-.416	-.901	-.948	-.910	-.814
39	59.0	-.363	-.409	-.581	-.809	-.832	-.798
40	67.5	--	--	--	--	--	--
41	77.5	-.148	-.137	-.122	-.227	-.456	-.579
42	87.5	-.039	-.019	.011	-.054	-.344	-.452
43	94.2	.014	.041	.061	.004	-.161	-.269
E44	2.0	-1.707	-1.182	-.917	-.724	-.546	
45	6.0	-.982	-1.225	-.999	-.836	-.685	
46	15.0	-.722	-1.153	-.975	-.838	-.703	
47	27.5	-.617	-1.098	-.993	-.874	-.761	
48	40.0	-.563	-1.025	-.962	-.831	-.729	
49	50.0	-.477	-.669	-.942	-.816	-.725	
50	59.0	-.388	-.365	-.905	-.703	-.692	
51	67.5	-.275	-.269	-.682	-.594	-.586	
52	77.5	-.151	-.135	-.193	-.493	-.515	
53	88.5	-.019	.035	-.063	-.386	-.478	
54	95.5	.010	.051	-.035	-.310	-.407	
F55	2.0	-1.608	-1.183	-.910	-.719	-.553	
56	6.0	-.813	-1.191	-.969	-.813	-.665	
57	15.0	-.713	-1.123	-.953	-.821	-.693	
58	27.5	-.616	-1.037	-.970	-.860	-.746	
59	49.0	-.571	-.948	-.937	-.843	-.782	
60	50.0	-.494	-.737	-.976	-.831	-.738	
61	59.0	-.411	-.464	-.836	-.823	-.739	
62	67.5	-.325	-.363	-.651	-.724	-.729	
63	86.5	-.079	-.068	-.248	-.536	-.576	
64	94.6	-.042	-.020	-.065	-.396	-.537	
G65	2.0	-1.387	-1.109	-.839	-.665	-.509	
66	6.0	-.956	-1.136	-.926	-.781	-.640	
67	15.0	-.656	-.977	-.895	-.776	-.653	
68	27.5	-.587	-.844	-.825	-.778	-.685	
69	40.0	-.557	-.787	-.821	-.781	-.708	
70	50.0	-.504	-.694	-.853	-.857	-.803	
71	59.0	-.417	-.529	-.801	-.807	-.782	
72	67.5	-.351	-.419	-.756	-.787	-.757	
73	77.5	-.282	-.302	-.381	-.698	-.707	
74	87.2	-.102	-.142	-.157	-.195	-.316	
75	96.8	-.047	-.110	-.071	-.080	-.100	
H76	2.0	-1.009	-.952	-.739	-.592	-.451	
77	6.0	-.749	-.906	-.780	-.664	-.548	
78	15.0	-.534	-.655	-.637	-.604	-.533	
79	27.5	-.480	-.578	-.607	-.563	-.506	
80	40.0	-.453	-.556	-.571	-.584	-.556	
81	50.0	-.423	-.539	-.560	-.539	-.559	
82	59.0	-.362	-.452	-.467	-.476	-.462	
83	67.5	-.305	-.384	-.392	-.365	-.350	
84	88.3	-.198	-.286	-.342	-.372	-.392	
85	94.2	--	--	--	--	--	

LOWER SURFACE

Tube	Percent chord	0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.023	-0.067	-0.109	-0.140	-0.176	-0.369
91	62.5	-.025	-.054	-.088	-.111	-.108	-.316
92	72.5	.011	-.022	-.058	-.080	-.081	-.107
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.606	.568	.547	.507	.475	.463
96	10.0	.278	.258	.242	.213	.192	.196
97	25.0	.034	-.002	-.026	-.064	-.095	-.091
98	41.0	-.061	-.103	-.138	-.189	-.260	-.272
99	52.5	-.068	-.111	-.144	-.189	-.270	-.346
100	62.5	-.036	-.071	-.102	-.131	-.186	-.315
101	72.5	.017	-.006	-.034	-.051	-.065	-.182
102	86.3	.078	.054	.018	.000	.003	-.117
103	94.5	.121	.083	.030	.006	.016	-.039
104	3.0	.514	.548	.532	.504	.484	.481
105	10.0	.278	.275	.265	.246	.232	.238
106	25.0	.068	.057	.044	.015	-.002	.008
107	41.0	-.031	-.057	-.077	-.116	-.153	-.154
108	52.5	-.056	-.086	-.114	-.162	-.225	-.253
109	62.5	-.028	-.056	-.079	-.119	-.185	-.233
110	72.5	.015	-.002	-.026	-.065	-.127	-.168
111	85.1	.067	.073	.063	.058	.018	-.048
112	94.6	.123	.123	.101	.105	.061	-.022
113	3.0	.528	.516	.505	.476	.459	.454
114	10.0	.260	.280	.275	.254	.244	.251
115	25.0	.070	.068	.059	.032	.019	.030
116	41.0	-.022	-.037	.052	-.092	-.119	-.115
117	52.5	-.038	-.054	-.071	-.120	-.158	-.167
118	62.5	-.019	-.032	-.046	-.097	-.141	-.162
119	72.5	.024	.015	.001	-.031	-.076	-.093
120	87.4	.078	.104	.121	.068	.022	.011
121	94.2	.097	.112	.107	.061	.020	.011
122	3.0	.590	.589	.570	.546	.518	
123	10.0	.312	.332	.319	.302	.283	
124	25.0	.111	.121	.111	.092	.072	
125	41.0	.020	.022	.012	-.012	-.040	
126	52.5	.014	.019	.011	-.016	-.044	
127	62.5	.014	.019	.013	-.022	-.058	
128	72.5	.040	.044	.035	-.011	-.066	
129	78.0	.057	.060	.048	-.004	-.063	
130	85.3	.083	.102	.104	.043	-.023	
131	94.1	.097	.126	.103	.010	-.054	
132	3.0	.581	.586	.567	.542	.514	
133	10.0	.318	.337	.327	.310	.290	
134	25.0	.123	.133	.127	.110	.090	
135	41.0	.046	.048	.041	.022	-.002	
136	52.5	.040	.046	.043	.026	.003	
137	62.5	.081	.092	.091	.074	.052	
138	72.5	.097	.099	.096	.080	.053	
139	83.4	.252	.291	.309	.300	.284	
140	94.0	.094	.106	.125	.077	.014	
141	3.0	.575	.584	.566	.548	.524	
142	10.0	.303	.324	.309	.297	.280	
143	25.0	.126	.133	.120	.107	.091	
144	41.0	.054	.052	.041	.028	.010	
145	52.5	.060	.060	.053	.042	.029	
146	62.5	.103	.100	.104	.092	.075	
147	72.5	.129	.119	.113	.105	.097	
148	84.0	.266	.296	.309	.312	.308	
149	92.0	.131	.139	.150	.153	.141	
150	3.0	.509	.532	.516	.503	.486	
151	10.0	.252	.285	.276	.272	.266	
152	25.0	.080	.096	.084	.079	.075	
153	41.0	-.012	-.026	-.048	-.062	-.079	
154	52.5	-.009	-.032	-.054	-.069	-.089	
155	62.5	.053	.043	.023	.010	-.006	
156	72.5	.186	.190	.184	.187	.192	
157	84.9	.063	.045	.038	.044	.050	

NACA

TABLE 72

$$\left[\Lambda = -30^{\circ},\ \delta_{a_n} = 10.0^{\circ},\ \alpha = 7^{\circ}\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	--
2	6.0	--	--	--	--	--	--
3	15.0	--	--	--	--	--	--
4	27.5	--	--	--	--	--	--
5	40.0	--	--	--	--	--	--
6	50.0	-0.508	-0.564	-0.569	-0.560	-0.572	-0.648
7	59.0	-.439	-.590	-.601	-.611	-.611	-.623
8	67.5	-.361	-.557	-.577	-.595	-.611	-.584
9	77.5	--	--	--	--	--	--
10	87.5	--	--	--	--	--	--
11	96.0	--	--	--	--	--	--
B12	2.0	-.651	-.543	-.557	-.552	-.581	-.979
13	6.0	-.670	-.557	-.574	-.607	-.607	-.967
14	15.0	-.677	-.549	-.556	-.547	-.568	-.897
15	27.5	-.732	-.579	-.587	-.561	-.573	-.960
16	40.0	-.700	-.605	-.609	-.571	-.581	-.881
17	50.0	-.626	-.616	-.618	-.577	-.589	-.838
18	59.0	-.546	-.611	-.625	-.593	-.594	-.786
19	67.5	-.453	-.586	-.609	-.592	-.599	-.708
20	77.5	-.344	-.517	-.567	-.581	-.595	-.694
21	88.0	-.227	-.402	-.449	-.466	-.525	-.628
22	95.3	--	--	--	--	--	--
C23	2.0	-1.304	-1.419	-1.249	-1.056	-.889	-.750
24	6.0	-1.240	-1.357	-1.161	-1.065	-.939	-.813
25	15.0	-.969	-1.079	-1.066	-.993	-.923	-.812
26	27.5	-.681	-.739	-.774	-.944	-.885	-.849
27	40.0	-.566	-.566	-.610	-.726	-.854	-.883
28	50.0	-.504	-.491	-.518	-.603	-.728	-.864
29	59.0	-.429	-.428	-.464	-.467	-.608	-.873
30	67.5	-.325	-.360	-.391	-.370	-.490	-.835
31	77.5	-.233	-.325	-.372	-.365	-.424	-.813
32	88.0	-.129	-.263	-.332	-.325	-.390	-.685
33	95.3	--	--	--	--	--	--
D34	2.0	-1.906	-1.443	-1.182	-.981	-.825	-.698
35	15.0	-1.007	-1.315	-1.154	-1.006	-.895	-.788
36	27.5	-.672	-1.228	-1.085	-1.018	-.925	-.831
37	40.0	-.567	-.828	-1.033	-.983	-.945	-.864
38	50.0	-.473	-.643	-.805	-.953	-.913	-.895
39	59.0	-.375	-.496	-.664	-.791	-.871	-.844
40	67.5	--	--	--	--	--	--
41	77.5	-.172	-.153	-.190	-.315	-.428	-.564
42	87.5	-.097	-.108	-.177	-.262	-.323	-.342
43	94.2	-.064	-.074	-.160	-.247	-.309	-.323
E44	2.0	-1.937	-1.550	-1.275	-1.092	-.917	
45	6.0	-1.825	-1.528	-1.296	-1.133	-.974	
46	15.0	-1.261	-1.396	-1.209	-1.075	-.953	
47	27.5	-.705	-1.281	-1.130	-1.019	-.912	
48	40.0	-.581	-.899	-.895	-.861	-.872	
49	50.0	-.487	-.747	-.741	-.735	-.743	
50	53.0	-.382	-.630	-.672	-.671	-.675	
51	67.5	-.289	-.503	-.623	-.634	-.642	
52	77.5	-.188	-.313	-.550	-.609	-.627	
53	88.5	-.088	-.160	-.487	-.592	-.612	
54	95.5	-.066	-.118	-.410	-.509	-.547	
F55	2.0	-1.654	-1.568	-1.286	-1.102	-.925	
56	6.0	-1.594	-1.518	-1.281	-1.116	-.954	
57	15.0	-1.243	-1.418	-1.216	-1.084	-.944	
58	27.5	-.845	-1.327	-1.144	-1.034	-.926	
59	49.0	-.619	-1.114	-1.086	-1.012	-.892	
60	50.0	-.447	-.782	-.899	-.929	-.887	
61	59.0	-.405	-.672	-.780	-.831	-.823	
62	67.5	-.314	-.543	-.727	-.767	-.761	
63	86.5	-.119	-.214	-.614	-.699	-.736	
64	94.6	-.073	-.106	-.453	-.627	-.683	
G65	2.0	-1.857	-1.537	-1.256	-1.078	-.902	
66	6.0	-1.768	-1.502	-1.254	-1.091	-.932	
67	15.0	-1.184	-1.409	-1.199	-1.059	-.918	
68	27.5	-.739	-1.305	-1.190	-1.065	-.936	
69	40.0	-.614	-1.267	-1.180	-1.098	-.979	
70	50.0	-.534	-1.005	-1.134	-1.065	-.998	
71	59.0	-.437	-.481	-1.124	-1.051	-.961	
72	67.5	-.358	-.384	-.850	-1.044	-.977	
73	77.5	-.262	-.271	-.308	-.600	-.827	
74	87.2	-.129	-.174	-.170	-.216	-.359	
75	96.8	-.092	-.148	-.126	-.146	-.204	
H76	2.0	-1.901	-1.420	-1.152	-.986	-.823	
77	6.0	-1.616	-1.398	-1.161	-1.015	-.871	
78	15.0	-.739	-1.217	-1.061	-.943	-.823	
79	27.5	-.627	-.760	-.884	-.877	-.796	
80	40.0	-.554	-.674	-.716	-.716	-.676	
81	50.0	-.501	-.655	-.652	-.676	-.657	
82	59.0	-.428	-.541	-.593	-.576	-.568	
83	67.5	-.364	-.485	-.470	-.463	-.431	
84	88.3	-.262	-.389	-.466	-.509	-.528	
85	94.2	--	--	--	--	--	

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.85	0.89	0.925	0.96
86	3.0	--	--	--	--	--	--
87	10.0	--	--	--	--	--	--
88	25.0	--	--	--	--	--	--
89	41.0	--	--	--	--	--	--
90	52.5	-0.022	-0.088	-0.124	-0.164	-0.226	-0.277
91	62.5	-.041	-.093	-.124	-.152	-.169	-.239
92	72.5	-.027	-.095	-.117	-.141	-.140	-.123
93	84.0	--	--	--	--	--	--
94	94.0	--	--	--	--	--	--
95	3.0	.739	.755	.732	.709	.696	.702
96	10.0	.399	.424	.395	.375	.369	.387
97	25.0	.110	.098	.071	.056	.036	.062
98	41.0	-.021	-.054	-.090	-.129	-.159	-.136
99	52.5	-.051	-.096	-.136	-.179	-.236	-.227
100	62.5	-.041	-.087	-.122	-.153	-.197	-.232
101	72.5	-.006	-.047	-.075	-.095	-.113	-.155
102	86.3	.025	-.030	-.056	-.066	-.065	-.086
103	94.5	.028	-.051	-.081	-.083	-.074	-.074
104	3.0	.721	.726	.706	.689	.681	.691
105	10.0	.426	.439	.425	.411	.406	.425
106	25.0	.169	.177	.157	.141	.136	.163
107	41.0	.028	.016	-.012	-.037	-.054	-.030
108	52.5	-.005	-.045	-.081	-.120	-.154	-.134
109	62.5	-.004	-.045	-.081	-.121	-.164	-.155
110	72.5	.017	-.006	-.036	-.070	-.106	-.110
111	85.1	.047	.020	.000	-.015	-.043	-.068
112	94.6	.066	.029	.012	.009	.005	-.022
113	3.0	.713	.698	.679	.663	.654	.665
114	10.0	.426	.444	.427	.415	.411	.430
115	25.0	.185	.195	.177	.162	.158	.183
116	41.0	.056	.055	.028	.005	-.007	.019
117	52.5	.015	.010	-.022	-.054	-.083	-.051
118	62.5	.011	.012	-.032	-.068	-.097	-.074
119	72.5	.040	.041	.003	-.035	-.062	-.040
120	87.4	.087	.096	.052	.021	-.015	.007
121	94.2	.063	.067	.018	-.026	-.056	-.045
122	3.0	.751	.746	.731	.723	.710	
123	10.0	.472	.484	.469	.463	.454	
124	25.0	.227	.243	.228	.222	.213	
125	41.0	.104	.114	.096	.083	.070	
126	52.5	.074	.088	.067	.048	.035	
127	62.5	.056	.067	.041	.014	-.005	
128	72.5	.064	.074	.039	-.004	-.036	
129	78.0	.071	.084	.044	-.009	-.047	
130	85.3	.094	.114	.063	.006	-.032	
131	94.1	.084	.098	.003	-.049	-.059	
132	3.0	.746	.748	.734	.726	.713	
133	10.0	.475	.491	.478	.474	.465	
134	25.0	.242	.259	.248	.243	.234	
135	41.0	.131	.146	.131	.121	.108	
136	52.5	.101	.117	.104	.091	.077	
137	62.5	.129	.151	.140	.126	.113	
138	72.5	.164	.184	.170	.156	.142	
139	83.4	.275	.319	.325	.307	.298	
140	94.0	.093	.122	.103	.032	.004	
141	3.0	.751	.754	.739	.735	.726	
142	10.0	.471	.486	.473	.471	.464	
143	25.0	.249	.265	.252	.250	.244	
144	41.0	.143	.152	.138	.133	.126	
145	52.5	.127	.136	.124	.119	.114	
146	62.5	.156	.188	.164	.159	.154	
147	72.5	.197	.207	.193	.186	.176	
148	84.0	.302	.348	.350	.353	.358	
149	92.0	.142	.162	.158	.153	.154	
150	3.0	.726	.734	.720	.720	.712	
151	10.0	.429	.453	.445	.448	.448	
152	25.0	.206	.227	.214	.219	.221	
153	41.0	.077	.074	.057	.054	.049	
154	52.5	.057	.044	.023	.017	.010	
155	62.5	.106	.103	.087	.086	.084	
156	72.5	.167	.174	.168	.180	.201	
157	84.9	.048	.028	.025	.035	.057	

NACA

TABLE 73

$$\left[\Lambda = -45°,\ \delta_{a_n} = -10.0°,\ \alpha = -2°\right]$$

CONFIDENTIAL

	UPPER SURFACE							LOWER SURFACE				
		Mach Number							Mach Number			
Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96	Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	86	3.0	--	--	--	--	--
2	6.0	--	--	--	--	--	87	10.0	--	--	--	--	--
3	15.0	--	--	--	--	--	88	25.0	--	--	--	--	--
4	27.5	--	--	--	--	--	89	41.0	--	--	--	--	--
5	40.0	--	--	--	--	--	90	52.5	--	--	--	--	--
6	50.0	--	--	--	--	--	91	62.5	-.048	-.037	-.015	.000	-0.040
7	59.0	-0.082	-0.093	-0.096	-0.090	-0.181	92	72.5	-.016	-.011	.001	.015	-.007
8	67.5	-.055	-.055	-.060	-.056	-.083	93	84.0	--	--	--	--	--
9	77.5	--	--	--	--	--	94	94.0	--	--	--	--	--
10	87.5	--	--	--	--	--							
11	96.0	--	--	--	--	--							
B12	2.0	--	--	--	--	--	95	3.0	--	--	--	--	--
13	6.0	--	--	--	--	--	96	10.0	--	--	--	--	--
14	15.0	--	--	--	--	--	97	25.0	-.141	-.211	-.441	-.524	-.632
15	27.5	-.135	-.176	-.225	-.277	-.297	98	41.0	-.158	-.140	-.199	-.277	-.416
16	40.0	-.154	-.194	-.239	-.304	-.362	99	52.5	-.119	-.115	-.115	-.136	-.285
17	50.0	-.151	-.185	-.220	-.267	-.378	100	62.5	-.085	-.082	-.075	-.075	-.172
18	59.0	-.129	-.156	-.182	-.207	-.368	101	72.5	-.032	-.033	-.026	-.021	-.080
19	67.5	-.086	-.110	-.123	-.120	-.299	102	86.3	.014	.015	.019	.024	-.021
20	77.5	-.046	-.059	-.065	-.059	-.198	103	94.5	.054	.052	.053	.058	.019
21	88.0	.023	.015	.012	.016	-.053							
22	95.3	--	--	--	--	--							
C23	2.0	.418	.452	.463	.473	.478	104	3.0	-.605	-1.027	-.927	-.914	-.882
24	6.0	.175	.202	.216	.228	.235	105	10.0	-.426	-.484	-.465	-.713	-.731
25	15.0	-.003	-.005	-.003	.006	.017	106	25.0	-.293	-.397	-.427	-.406	-.460
26	27.5	-.103	-.130	-.155	-.159	-.153	107	41.0	--	--	--	--	--
27	40.0	-.146	-.186	-.233	-.255	-.253	108	52.5	--	--	--	--	--
28	50.0	-.141	-.176	-.232	-.302	-.308	109	62.5	-.105	-.128	-.165	-.289	-.303
29	59.0	-.132	-.164	-.207	-.270	-.296	110	72.5	-.055	-.068	-.083	-.154	-.255
30	67.5	-.091	-.115	-.147	-.200	-.253	111	85.1	-.006	-.015	-.026	-.040	-.172
31	77.5	-.055	-.075	-.100	-.133	-.221	112	94.6	.043	.028	.018	.006	-.117
32	88.0	.028	.005	-.014	-.036	-.138							
33	95.3	--	--	--	--	--							
D34	2.0	.325	.344	.347	.348	.342	113	3.0	-.598	-.766	-.798	-.791	-.780
35	15.0	-.003	.001	.001	.002	-.001	114	10.0	-.316	-.363	-.365	-.610	-.621
36	27.5	-.078	-.088	-.094	-.095	-.101	115	25.0	-.260	-.318	-.345	-.401	-.423
37	40.0	-.131	-.151	-.165	-.170	-.181	116	41.0	-.224	-.273	-.307	-.314	-.412
38	50.0	-.139	-.163	-.183	-.191	-.191	117	52.5	-.181	-.222	-.258	-.250	-.271
39	59.0	-.103	-.125	-.161	-.190	-.191	118	62.5	--	--	--	--	--
40	67.5	--	--	--	--	--	119	72.5	-.065	-.089	-.119	-.129	-.132
41	77.5	-.069	-.066	-.087	-.101	-.103	120	87.4	.007	-.015	-.045	-.040	-.042
42	87.5	.000	-.019	-.043	-.061	-.068	121	94.2	.024	.009	-.017	-.034	-.035
43	94.2	.038	.017	-.004	-.022	-.027							
E44	2.0	.333	.347	.347	.347	.321	122	3.0	-.478	-.672	-.695	-.681	-.667
45	6.0	.140	.152	.147	.150	.135	123	10.0	-.295	-.342	-.321	-.423	-.462
46	15.0	.000	.001	-.007	-.005	-.023	124	25.0	-.250	-.300	-.359	-.381	-.401
47	27.5	-.072	-.080	-.089	-.089	-.104	125	41.0	-.214	-.254	-.300	-.333	-.402
48	40.0	-.118	-.131	-.146	-.149	-.164	126	52.5	-.167	-.194	-.215	-.234	-.312
49	50.0	-.122	-.138	-.155	-.158	-.168	127	62.5	-.129	-.152	-.169	-.167	-.205
50	59.0	-.108	-.125	-.144	-.150	-.159	128	72.5	-.082	-.101	-.119	-.101	-.135
51	67.5	-.085	-.101	-.124	-.136	-.164	129	78.0	-.042	-.057	-.072	-.076	-.089
52	77.5	-.049	-.061	-.070	-.073	-.113	130	85.3	-.007	.019	-.035	-.037	-.051
53	88.5	.089	.078	.072	.072	.064	131	94.1	.015	.004	-.009	-.014	-.020
54	95.5	.015	.011	.002	.000	-.006							
F55	2.0	--	--	--	--	--	132	3.0	--	--	--	--	--
56	6.0	.150	.159	.157	.160	.143	133	10.0	-.287	-.336	-.320	-.341	-.415
57	15.0	.014	.014	.007	.008	-.009	134	25.0	-.246	-.288	-.346	-.368	-.367
58	27.5	-.058	-.064	-.075	-.077	-.096	135	41.0	-.216	-.256	-.286	-.336	-.364
59	49.0	-.097	-.108	-.123	-.126	-.144	136	52.5	-.191	-.225	-.260	-.286	-.341
60	50.0	-.092	-.104	-.117	-.121	-.138	137	62.5	-.151	-.177	-.215	-.225	-.260
61	59.0	-.068	-.079	-.090	-.093	-.108	138	72.5	-.122	-.143	-.167	-.184	-.240
62	67.5	-.045	-.054	-.068	-.070	-.087	139	83.4	-.065	-.076	-.084	-.089	-.124
63	86.5	.027	.027	.022	.023	.016	140	94.0	.007	-.005	-.019	-.024	-.047
64	94.5	.017	.007	-.005	-.008	-.019							
G65	2.0	.357	.370	.371	.380	.370	141	3.0	-.478	-.516	-.495	-.486	-.448
66	6.0	.162	.171	.169	.177	.168	142	10.0	-.277	-.307	-.311	-.304	-.314
67	15.0	.036	.037	.034	.036	.027	143	25.0	-.234	-.265	-.282	-.324	-.427
68	27.5	-.035	-.040	-.053	-.050	-.061	144	41.0	-.208	-.238	-.257	-.270	-.290
69	40.0	-.074	-.084	-.095	-.098	-.112	145	52.5	-.185	-.209	-.231	-.223	-.247
70	50.0	-.068	-.077	-.089	-.092	-.105	146	62.5	-.145	-.156	-.186	-.187	-.191
71	59.0	-.035	-.041	-.053	-.055	-.069	147	72.5	-.142	-.160	-.183	-.194	-.201
72	67.5	-.013	-.025	-.041	-.042	-.055	148	84.0	-.096	-.107	-.123	-.128	-.154
73	77.5	.148	.154	.152	.149	.137	149	92.0	-.025	-.032	-.042	-.045	-.057
74	87.2	-.039	-.024	-.024	-.026	-.030							
75	96.8	.040	.069	.022	.015	.006							
H76	2.0	.305	.323	.331	.342	.348	150	3.0	-.366	-.395	-.399	-.400	-.386
77	6.0	.127	-.141	.148	.161	.164	151	10.0	-.213	-.215	-.206	-.197	-.184
78	15.0	.018	.024	.027	.036	.038	152	25.0	.337	.119	-.121	-.131	-.105
79	27.5	-.043	-.047	-.052	-.047	-.047	153	41.0	-.197	-.217	-.237	-.244	-.220
80	40.0	-.079	-.093	-.106	-.106	-.115	154	52.5	-.178	-.200	-.224	-.235	-.260
81	50.0	-.086	-.102	-.117	-.121	-.137	155	62.5	-.142	-.160	-.179	-.187	-.205
82	59.0	-.058	-.068	-.081	-.082	-.090	156	72.5	-.125	-.141	-.157	-.162	-.186
83	67.5	-.016	-.020	-.029	-.029	-.032	157	84.9	-.010	-.019	-.038	-.044	-.048
84	88.3	.051	.050	.046	.047	.037							
85	94.2	.043	.041	.037	.039	.022							

NACA

TABLE 74

$$\left[\Lambda = -45°,\ \delta_{a_n} = -10.0°,\ \alpha = 2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	Mach Number				
		0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--
2	6.0	--	--	--	--	--
3	15.0	--	--	--	--	----
4	27.5	--	--	--	--	--
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	-0.096	-0.091	-0.080	-0.052	-0.066
8	67.5	-.067	-.062	-.049	-.027	-.022
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	--	--	--	--	--
15	27.5	-.237	-.250	-.238	-.516	-.549
16	40.0	-.217	-.234	-.165	-.388	-.539
17	50.0	-.192	-.208	-.163	-.168	-.514
18	59.0	-.165	-.172	-.142	-.055	-.398
19	67.5	-.101	-.116	-.099	-.034	-.191
20	77.5	-.060	-.059	-.047	-.010	-.076
21	88.0	.017	.017	.020	.037	-.001
22	95.3	--	--	--	--	--
C23	2.0	-.553	-.559	-.451	-.378	-.316
24	6.0	-.436	-.499	-.444	-.397	-.359
25	15.0	-.364	-.506	-.489	-.450	-.421
26	27.5	-.312	-.403	-.534	-.504	-.468
27	40.0	-.277	-.327	-.561	-.534	-.521
28	50.0	-.221	-.251	-.495	-.511	-.497
29	59.0	-.191	-.210	-.306	-.505	-.487
30	67.5	-.133	-.146	-.138	-.505	-.388
31	77.5	-.083	-.090	-.064	-.199	-.358
32	88.0	.012	.007	.015	-.016	-.236
33	95.3	--	--	--	--	--
D34	2.0	-.352	-.354	-.324	-.287	-.249
35	15.0	-.297	-.339	-.363	-.350	-.341
36	27.5	-.279	-.327	-.358	-.353	-.360
37	40.0	-.274	-.326	-.368	-.376	-.375
38	50.0	-.246	-.293	-.337	-.342	-.352
39	59.0	-.186	-.226	-.282	-.283	-.298
40	67.5	--	--	--	--	--
41	77.5	-.086	-.104	-.147	-.150	-.145
42	87.5	-.024	-.033	-.074	-.087	-.085
43	94.2	.021	.004	-.030	-.045	-.047
E44	2.0	-.307	-.315	-.300	-.259	-.247
45	6.0	-.284	-.309	-.314	-.300	-.302
46	15.0	-.273	-.308	-.339	-.323	-.341
47	27.5	-.258	-.294	-.320	-.322	-.340
48	40.0	-.254	-.287	-.312	-.314	-.323
49	50.0	-.225	-.256	-.280	-.274	-.277
50	59.0	-.192	-.218	-.246	-.243	-.229
51	67.5	-.129	-.163	-.205	-.224	-.196
52	77.5	-.079	-.101	-.126	-.130	-.173
53	88.5	-.050	.037	.017	.017	.012
54	95.5	.004	-.009	-.026	-.026	-.031
F55	2.0	--	--	--	--	--
56	6.0	-.254	-.261	-.299	-.282	-.280
57	15.0	-.243	-.274	-.302	-.299	-.316
58	27.5	-.232	-.264	-.288	-.291	-.319
59	40.0	-.221	-.250	-.270	-.273	-.296
60	50.0	-.188	-.214	-.235	-.235	-.258
61	59.0	-.162	-.192	-.218	-.222	-.247
62	67.5	-.059	-.063	-.066	-.059	-.058
63	86.5	.013	.008	.005	.009	.013
64	94.6	.014	.005	-.004	.002	.007
G65	2.0	-.188	-.199	-.194	-.160	-.143
66	6.0	-.207	-.231	-.246	-.229	-.229
67	15.0	-.197	-.223	-.246	-.245	-.251
68	27.5	-.191	-.218	-.241	-.261	-.252
69	40.0	-.182	-.209	-.230	-.234	-.242
70	50.0	-.151	-.174	-.193	-.196	-.206
71	59.0	-.121	-.150	-.174	-.178	-.192
72	67.5	-.015	-.017	-.027	-.050	-.082
73	77.5	.089	.087	.085	.089	.081
74	87.2	-.043	-.036	-.038	-.034	-.048
75	96.8	.047	.043	.036	.035	.022
H76	2.0	-.168	-.174	-.170	-.135	-.113
77	6.0	-.195	-.216	-.222	-.200	-.191
78	15.0	-.171	-.187	-.198	-.189	-.192
79	27.5	-.164	-.183	-.196	-.191	-.181
80	40.0	-.159	-.178	-.196	-.201	-.198
81	50.0	-.154	-.158	-.177	-.184	-.207
82	59.0	-.093	-.107	-.120	-.122	-.130
83	67.5	-.043	-.053	-.064	-.063	-.072
84	88.3	.036	.031	.024	.024	.016
85	94.2	.038	.077	.031	.031	.028

LOWER SURFACE

Tube	Percent chord	Mach Number				
		0.60	0.80	0.89	0.925	0.96
86	3.0	--	--	--	--	--
87	10.0	--	--	--	--	--
88	25.0	--	--	--	--	--
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	-0.031	-0.031	-0.032	-0.029	-0.049
92	72.5	-.008	-.005	-.004	.000	-.012
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	--	--	--	--	--
96	10.0	--	--	--	--	--
97	25.0	-.075	-.105	-.141	-.175	-.245
98	41.0	-.098	-.117	-.140	-.159	-.261
99	52.5	-.073	-.088	-.109	-.126	-.214
100	62.5	-.058	-.071	-.081	-.080	-.175
101	72.5	-.003	.006	.000	-.005	-.078
102	86.3	.036	.033	.033	.038	.003
103	94.5	.077	.079	.080	.089	.060
104	3.0	.210	.216	.204	.190	.186
105	10.0	.028	.023	.007	-.004	-.006
106	25.0	-.065	-.086	-.119	-.142	-.147
107	41.0	--	--	--	--	--
108	52.5	--	--	--	--	--
109	62.5	-.065	-.081	-.098	-.132	-.198
110	72.5	-.026	-.023	-.037	-.061	-.149
111	85.1	.020	.016	.004	.014	-.096
112	94.6	.063	.058	.051	.037	-.066
113	3.0	.132	.129	.114	.103	.087
114	10.0	.024	.019	.007	-.002	-.011
115	25.0	-.058	-.071	-.087	-.096	-.104
116	41.0	-.093	-.109	-.128	-.137	-.136
117	52.5	-.090	-.106	-.128	-.138	-.135
118	62.5	--	--	--	--	--
119	72.5	-.031	-.042	-.061	-.075	-.072
120	87.4	.043	.033	.019	.003	-.005
121	94.2	.041	.033	.009	-.009	-.021
122	3.0	.152	.152	.145	.126	-.105
123	10.0	.026	.022	.009	-.008	-.024
124	25.0	-.060	-.076	-.096	-.114	-.140
125	41.0	-.092	-.110	-.133	-.152	-.181
126	52.5	-.075	-.093	-.111	-.114	-.146
127	62.5	-.062	-.076	-.092	-.103	-.118
128	72.5	-.038	-.053	-.065	-.073	-.069
129	78.0	-.015	-.020	-.017	-.013	.001
130	85.3	.037	.042	.034	.030	.024
131	94.1	.043	.040	.031	.034	.019
132	3.0	--	--	--	--	--
133	10.0	.020	.016	.007	-.008	-.024
134	25.0	-.066	-.081	-.096	-.111	-.137
135	41.0	-.102	-.122	-.145	-.163	-.191
136	52.5	-.109	-.131	-.152	-.169	-.196
137	62.5	-.092	-.111	-.133	-.147	-.170
138	72.5	-.083	-.101	-.119	-.134	-.157
139	83.4	-.081	-.094	-.104	-.116	-.136
140	94.0	.026	.014	.008	.007	.004
141	3.0	.132	.149	.159	.152	.152
142	10.0	.005	.008	.009	.002	-.001
143	25.0	-.072	-.080	-.087	-.095	-.104
144	41.0	-.109	-.122	-.133	-.140	-.147
145	52.5	-.118	-.130	-.143	-.151	-.158
146	62.5	-.109	-.121	-.137	-.148	-.158
147	72.5	-.115	-.129	-.144	-.153	-.166
148	84.0	-.098	-.110	-.128	-.140	-.173
149	92.0	-.010	-.018	-.029	-.035	-.052
150	3.0	.134	.158	.177	.178	.185
151	10.0	.028	.048	.065	.072	.084
152	25.0	.281	-.022	-.031	-.086	-.070
153	41.0	-.119	-.134	-.147	-.155	-.155
154	52.5	-.126	-.146	-.165	-.181	-.214
155	62.5	-.106	-.121	-.136	-.142	-.155
156	72.5	-.105	-.118	-.130	-.134	-.141
157	84.9	.010	.001	-.014	-.019	-.021

NACA

TABLE 75

$$\left[\Lambda = -45°,\ \delta_{a_n} = -10.0°,\ \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.89	0.925	0.96	
A 1	2.0	--	--	--	--	--	
2	6.0	--	--	--	--	--	
3	15.0	--	--	--	--	--	
4	27.5	--	--	--	--	--	
5	40.0	--	--	--	--	--	
6	50.0	--	--	--	--	--	
7	59.0	-0.125	-0.329	-0.423	-0.479	-0.559	
8	67.5	-.095	-.278	-.391	-.454	-.547	
9	77.5	--	--	--	--	--	
10	87.5	--	--	--	--	--	
11	96.0	--	--	--	--	--	
B12	2.0	--	--	--	--	--	
13	6.0	--	--	--	--	--	
14	15.0	--	--	--	--	--	
15	27.5	-.662	-.615	-.635	-.661	-.736	
16	40.0	-.546	-.624	-.646	-.670	-.748	
17	50.0	-.404	-.586	-.617	-.655	-.732	
18	59.0	-.310	-.515	-.571	-.612	-.697	
19	67.5	-.219	-.435	-.510	-.557	-.643	
20	77.5	-.130	-.333	-.424	-.473	-.528	
21	88.0	-.065	-.208	-.275	-.326	-.347	
22	95.3	--	--	--	--	--	
C23	2.0	-.801	-.620	-.799	-.751	-.830	
24	6.0	-.813	-.805	-.778	-.763	-.843	
25	15.0	-.753	-.607	-.727	-.713	-.784	
26	27.5	-.685	-.568	-.664	-.694	-.754	
27	40.0	-.536	-.507	-.588	-.652	-.718	
28	50.0	-.405	-.475	-.504	-.562	-.573	
29	59.0	-.322	-.408	-.485	-.511	-.530	
30	67.5	-.227	-.316	-.385	-.411	-.364	
31	77.5	-.164	-.250	-.294	-.326	-.325	
32	88.0	-.098	-.167	-.207	-.240	-.235	
33	95.3	--	--	--	--	--	
D34	2.0	-1.499	-1.373	-1.238	-1.139	-1.051	
35	15.0	-.605	-.855	-1.074	-1.042	-.956	
36	27.5	-.467	-.464	-.750	-.969	-.932	
37	40.0	-.411	-.430	-.311	-.637	-.832	
38	50.0	-.339	-.349	-.310	-.385	-.428	
39	59.0	-.243	-.284	-.276	-.252	-.305	
40	67.5	--	--	--	--		
41	77.5	-.140	-.162	-.168	-.131	-.196	
42	87.5	-.096	-.122	-.136	-.109	-.132	
43	94.2	-.079	-.095	-.122	-.100	-.109	
E44	2.0	-1.520	-1.381	-1.268	-1.140	-1.038	
45	6.0	-1.278	-1.353	-1.203	-1.100	-1.002	
46	15.0	-.663	-.998	-1.136	-1.007	-.948	
47	27.5	-.450	-.468	-.743	-.899	-.868	
48	40.0	-.376	-.389	-.394	-.536	-.758	
49	50.0	-.310	-.334	-.342	-.328	-.332	
50	59.0	-.238	-.262	-.264	-.279	-.269	
51	67.5	-.187	-.208	-.219	-.265	-.271	
52	77.5	-.141	-.157	-.153	-.192	-.207	
53	88.5	-.098	-.100	-.107	-.126	-.125	
54	95.5	-.092	-.092	-.097	-.113	-.122	
F55	2.0	--	--	--	--	--	
56	6.0	-1.127	-1.441	-1.201	-1.084	-.986	
57	15.0	-.568	-.738	-1.057	-1.001	-.928	
58	27.5	-.442	-.510	-.504	-.891	-.858	
59	49.0	-.344	-.361	-.392	-.464	-.565	
60	50.0	-.273	-.284	-.291	-.300	-.347	
61	59.0	-.197	-.213	-.218	-.223	-.239	
62	67.5	-.136	-.159	-.162	-.152	-.147	
63	86.5	-.049	-.051	-.062	-.061	-.059	
64	94.6	-.036	-.041	-.050	-.053	-.051	
G65	2.0	-1.563	-1.233	-1.218	-1.094	-.989	
66	6.0	-.751	-1.190	-1.075	-1.028	-.956	
67	15.0	-.508	-.706	1.027	-.926	-.845	
68	27.5	-.382	-.422	-.460	-.557	-.755	
69	40.0	-.307	-.332	-.350	-.364	-.366	
70	50.0	-.227	-.249	-.268	-.268	-.273	
71	59.0	-.155	-.169	-.176	-.174	-.184	
72	67.5	-.089	-.102	-.113	-.110	-.115	
73	77.5	-.023	-.026	-.033	-.039	-.046	
74	87.2	-.066	-.052	-.051	-.064	-.069	
75	96.8	-.038	.028	.031	.020	.019	
H76	2.0	-1.275	-1.207	-1.132	-1.015	-.917	
77	6.0	-.614	-1.160	-.877	-.926	-.857	
78	15.0	-.419	-.466	-.622	-.642	-.676	
79	27.5	-.319	-.362	-.371	-.460	-.412	
80	40.0	-.257	-.293	-.313	-.340	-.385	
81	50.0	-.210	-.243	-.264	-.285	-.337	
82	59.0	-.149	-.175	-.186	-.192	-.223	
83	67.5	-.101	-.115	-.118	-.123	-.126	
84	88.3	.000	-.015	-.021	-.023	-.032	
85	94.2	.063	.001	-.002	-.001	-.019	

LOWER SURFACE

Tube	Per-cent chord	Mach Number					
		0.60	0.80	0.89	0.925	0.96	
86	3.0	--	--	--	--		
87	10.0	--	--	--	--		
88	25.0	--	--	--	--		
89	41.0	--	--	--	--		
90	52.5	--	--	--	--		
91	62.5	-0.022	-0.057	-0.105	-0.148		
92	72.5	.007	-.045	-.094	-.140		
93	84.0	--	--	--	--		
94	94.0	--	--	--	--		
95	3.0	--	--	--	--		
96	10.0	--	--	--	--		
97	25.0	.034	-.006	-.045	-.063		
98	41.0	-.026	-.068	-.113	-.136		
99	52.5	-.025	-.072	-.124	-.159		
100	62.5	-.026	-.074	-.122	-.153		
101	72.5	.000	-.046	-.092	-.122		
102	86.3	.014	-.032	-.079	-.121		
103	94.5	.026	-.132	-.077	-.114		
104	3.0	.638	.545	.670	.670		
105	10.0	.370	.381	.393	.393		
106	25.0	.137	.130	.126	.124		
107	41.0	--	--	--	--		
108	52.5	--	--	--	--		
109	62.5	.010	-.024	-.058	-.074		
110	72.5	.011	-.022	-.058	-.072		
111	85.1	.015	-.020	-.054	-.073		
112	94.6	.024	-.012	-.054	-.072		
113	3.0	.548	.543	.539	.537		
114	10.0	.348	.347	.350	.349		
115	25.0	.162	.162	.163	.163		
116	41.0	.059	.053	.043	.052		
117	52.5	.023	.010	.003	-.001		
118	62.5	--	--	--			
119	72.5	.033	.017	.005	.002		
120	87.4	.053	.034	.040	.034		
121	94.2	.017	.003	-.016	-.014		
122	3.0	.539	.548	.545	.543	0.534	
123	10.0	.332	.342	.340	.338	.332	
124	25.0	.149	.158	.156	.154	.147	
125	41.0	.060	.062	.054	.052	.044	
126	52.5	.034	.036	.031	.030	.025	
127	62.5	.017	.011	.008	.007	.006	
128	72.5	.018	.018	.016	.015	.014	
129	78.0	.036	.035	.035	.035	.034	
130	85.3	.051	.053	.053	.051	.049	
131	94.1	.038	.038	.037	.031	.029	
132	3.0	--	--	--	--	--	
133	10.0	.321	.334	.334	.334	.329	
134	25.0	.140	.149	.149	.149	.144	
135	41.0	.044	.045	.040	.038	.032	
136	52.5	-.004	-.013	-.016	-.016	-.021	
137	62.5	-.017	-.023	-.033	-.039	-.047	
138	72.5	-.038	-.046	-.058	-.067	-.075	
139	83.4	-.053	-.066	-.076	-.078	-.081	
140	94.0	.003	.000	-.003	-.004	-.002	
141	3.0	.516	.534	.543	.545	.543	
142	10.0	.292	.314	.323	.327	.327	
143	25.0	.122	.137	.143	.147	.149	
144	41.0	.023	.032	.035	.038	.039	
145	52.5	-.017	-.013	.013	-.011	-.012	
146	62.5	-.016	-.024	.015	-.029	-.027	
147	72.5	-.069	-.071	-.079	-.081	-.084	
148	84.0	-.069	-.082	-.095	-.101	-.106	
149	92.0	-.015	-.023	-.030	-.029	-.030	
150	3.0	.509	.537	.552	.563	.568	
151	10.0	.281	.316	.335	.347	.356	
152	25.0	.086	.161	.205	.180	.188	
153	41.0	-.007	.003	.009	.017	.023	
154	52.5	-.052	-.049	-.053	-.052	-.051	
155	62.5	-.056	-.060	-.066	-.065	-.065	
156	72.5	-.093	-.103	-.114	-.117	-.121	
157	84.9	-.002	-.001	-.001	.002	.001	

NACA

TABLE 76

$$\left[\Lambda = -45°, \delta_{a_n} = 9.8°, \alpha = -2°\right]$$

CONFIDENTIAL

Tube	Per-cent chord	UPPER SURFACE Mach Number					Tube	Per-cent chord	LOWER SURFACE Mach Number				
		0.60	0.80	0.89	0.925	0.96			0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--	86	3.0	--	--	--	--	--
2	6.0	--	--	--	--	--	87	10.0	--	--	--	--	--
3	15.0	--	--	--	--	--	88	25.0	--	--	--	--	--
4	27.5	--	--	--	--	--	89	41.0	--	--	--	--	--
5	40.0	--	--	--	--	--	90	52.5	--	--	--	--	--
6	50.0	--	--	--	--	--	91	62.5	-0.042	-0.038	-0.031	-0.023	-0.056
7	59.0	-0.096	-0.101	-0.102	-0.092	-0.231	92	72.5	-.013	-.008	.003	.000	-.019
8	67.5	-.062	-.064	-.065	-.057	-.107	93	84.0	--	--	--	--	--
9	77.5	--	--	--	--	--	94	94.0	--	--	--	--	--
10	87.5	--	--	--	--								
11	96.0	--	--	--	--	--							
B12	2.0	-.*-	--	--	--	--	95	3.0	--	--	--	--	--
13	6.0	--	--	--	--	--	96	10.0	--	--	--	--	--
14	15.0	--	--	--	--	--	97	25.0	-.160	-.137	-.170	-.268	-.366
15	27.5	-.160	-.203	-.261	-.341	-.343	98	41.0	-.150	-.153	-.136	-.118	-.349
16	40.0	-.176	-.210	-.255	-.352	-.404	99	52.5	-.114	-.119	-.110	-.080	-.266
17	50.0	-.169	-.197	-.228	-.304	-.416	100	62.5	-.080	-.083	-.079	-.051	-.160
18	59.0	-.145	-.166	-.189	-.213	-.400	101	72.5	-.024	-.025	-.023	-.012	-.077
19	67.5	-.098	-.118	-.124	-.101	-.335	102	86.3	.017	.019	.021	.029	-.029
20	77.5	-.052	-.064	-.066	-.052	-.236	103	94.5	.057	.058	.059	.063	.007
21	88.0	.021	.016	.016	.021	-.076							
22	95.3	--	--	--	--	--							
C23	2.0	.311	.336	.345	.356	.368	104	3.0	-.535	-.654	-.647	-.649	-.630
24	6.0	.095	.098	.106	.118	.130	105	10.0	-.336	-.436	-.451	-.453	-.453
25	15.0	-.065	-.071	-.083	-.074	-.060	106	25.0	-.237	-.322	-.436	-.426	-.407
26	27.5	-.145	-.179	-.225	-.234	-.212	107	41.0	--	--	--	--	--
27	40.0	-.182	-.223	-.289	-.317	-.296	108	52.5	--	--	--	--	--
28	50.0	-.159	-.205	-.267	-.352	-.358	109	62.5	-.113	-.128	-.131	-.282	-.386
29	59.0	-.156	-.187	-.233	-.323	-.339	110	72.5	-.045	-.056	-.058	-.092	-.320
30	67.5	-.108	-.129	-.160	-.240	-.287	111	85.1	.000	-.006	-.011	-.028	-.211
31	77.5	-.061	-.081	-.106	-.150	-.258	112	94.6	.049	.019	.030	.026	-.135
32	88.0	.027	.012	-.009	-.041	-.160							
33	95.3	--	--	--	--	--							
D34	2.0	.258	.250	.254	.259	.250	113	3.0	-.378	-.449	-.495	-.522	-.541
35	15.0	-.064	-.068	-.077	-.081	-.093	114	10.0	-.251	-.301	-.327	-.340	-.371
36	27.5	-.127	-.146	-.163	-.171	-.201	115	25.0	-.208	-.252	-.272	-.279	-.279
37	40.0	-.175	-.200	-.228	-.236	-.270	116	41.0	-.179	-.221	-.254	-.259	-.281
38	50.0	-.176	-.203	-.236	-.246	-.238	117	52.5	-.150	-.185	-.222	-.231	-.208
39	59.0	-.119	-.165	-.199	-.232	-.221	118	62.5	--	--	--	--	--
40	67.5	--	--	--	--	--	119	72.5	-.049	-.069	-.108	-.126	-.107
41	77.5	-.097	-.083	-.103	-.126	-.115	120	87.4	.020	.004	-.024	-.084	-.035
42	87.5	-.003	-.025	-.051	-.080	-.077	121	94.2	.027	.014	-.012	-.055	-.041
43	94.2	.031	.016	-.006	-.036	-.036							
E44	2.0		.212	.217	.214	.211	122	3.0		-.303	-.319	-.336	-.370
45	6.0		.035	.031	.029	-.024	123	10.0		-.224	-.242	-.226	-.237
46	15.0		-.092	-.115	-.121	-.134	124	25.0		-.207	-.227	-.229	-.239
47	27.5		-.159	-.188	-.201	-.219	125	41.0		-.180	-.199	-.194	-.188
48	40.0		-.210	-.249	-.269	-.300	126	52.5		-.134	-.152	-.148	-.134
49	50.0		-.205	-.242	-.270	-.296	127	62.5		-.115	-.144	-.156	-.139
50	59.0		-.182	-.211	-.229	-.274	128	72.5		-.083	-.113	-.140	-.199
51	67.5		-.135	-.154	-.153	-.169	129	78.0		-.044	-.068	-.078	-.123
52	77.5		-.076	-.091	-.092	-.095	130	85.3		-.004	-.020	-.025	-.041
53	88.5		.051	.036	.035	.025	131	94.1		.018	.007	.008	.004
54	95.5		.011	.002	.002	.002							
F55	2.0		--	--	--	--	132	3.0		--	--	--	--
56	6.0		.042	.040	.039	.034	133	10.0		-.196	-.219	-.214	-.233
57	15.0		-.085	-.097	-.103	-.114	134	25.0		-.181	-.202	-.207	-.238
58	27.5		-.161	-.186	-.194	-.211	135	41.0		-.148	-.167	-.168	-.187
59	49.0		-.215	-.248	-.264	-.292	136	52.5		-.113	-.127	-.128	-.141
60	50.0		-.223	-.259	-.272	-.309	137	62.5		-.033	-.039	-.031	-.023
61	59.0		-.210	-.245	-.256	-.280	138	72.5		.033	.032	.040	.043
62	67.5		-.190	-.224	-.245	-.263	139	83.4		.098	.099	.107	.113
63	86.5		-.088	-.110	-.121	-.122	140	94.0		.040	.031	.033	.034
64	94.6		.020	.009	.003	-.002							
G65	2.0		.256	.269	.273	.278	141	3.0		-.256	-.273	-.263	-.259
66	6.0		.069	.077	-.080	.083	142	10.0		-.199	-.223	-.219	-.214
67	15.0		-.052	-.057	-.058	-.061	143	25.0		-.163	-.184	-.188	-.211
68	27.5		-.134	-.147	-.150	-.161	144	41.0		-.123	-.141	-.143	-.151
69	40.0		-.194	-.215	-.222	-.230	145	52.5		-.091	-.107	-.112	-.123
70	50.0		-.211	-.236	-.247	-.251	146	62.5		.002	-.006	.004	.003
71	59.0		-.201	-.225	-.238	-.251	147	72.5		.052	.042	.043	.035
72	67.5		-.188	-.213	-.225	-.240	148	84.0		.118	.112	.118	.113
73	77.5		-.177	-.196	-.206	-.229	149	92.0		.072	.069	.069	.062
74	87.2		-.093	-.129	-.138	-.150							
75	96.8		.028	.013	.007	-.006							
H76	2.0		.256	.275	.280	.285	150	3.0		-.265	-.278	-.266	-.266
77	6.0		.084	.098	.105	.112	151	10.0		-.151	-.148	-.130	-.111
78	15.0		-.023	-.016	-.008	.002	152	25.0		-.046	-.076	-.066	-.051
79	27.5		-.086	-.094	-.086	-.077	153	41.0		-.147	-.174	-.191	-.207
80	40.0		-.148	-.155	-.151	-.142	154	52.5		-.105	-.125	-.130	-.181
81	50.0		-.172	-.184	-.182	-.188	155	62.5		-.027	-.032	-.027	-.022
82	59.0		-.162	-.176	-.171	-.162	156	72.5		.081	.084	.107	.100
83	67.5		-.155	-.173	-.171	-.166	157	84.9		.031	.032	.033	.031
84	88.3		-.108	-.126	-.130	-.137							
85	94.2		-.042	-.055	-.058	-.066							

NACA

TABLE 77

$$\left[\Lambda = -45°,\ \delta_{a_n} = 9.8°,\ \alpha = 2°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--
2	6.0	--	--	--	--	--
3	15.0	--	--	--	--	--
4	27.5	--	--	--	--	--
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	-0.107	-0.094	-0.064	-0.044	-0.145
8	67.5	-.074	-.067	-.046	-.021	-.078
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	--	--	--	--	--
15	27.5	-.254	-.223	-.429	-.648	-.709
16	40.0	-.238	-.231	-.210	-.448	-.698
17	50.0	-.215	-.213	-.152	-.174	-.614
18	59.0	-.173	-.170	-.123	-.046	-.424
19	67.5	-.110	-.120	-.089	-.018	-.253
20	77.5	-.068	-.062	-.042	.004	-.095
21	88.0	.011	.014	.020	.043	-.023
22	95.3	--	--	--	--	--
C23	2.0	-.815	-.881	-.738	-.638	-.524
24	6.0	-.581	-.694	-.678	-.635	-.561
25	15.0	-.444	-.599	-.621	-.590	-.547
26	27.5	-.359	-.506	-.626	-.631	-.608
27	40.0	-.313	-.391	-.624	-.621	-.642
28	50.0	-.253	-.281	-.563	-.547	-.576
29	59.0	-.215	-.239	-.454	-.524	-.493
30	67.5	-.150	-.162	-.193	-.447	-.401
31	77.5	-.093	-.104	-.077	-.315	-.375
32	88.0	-.003	-.008	-.001	-.083	-.252
33	95.3	--	--	--	--	--
D34	2.0	-.553	-.600	-.564	-.504	-.420
35	15.0	-.380	-.452	-.495	-.486	-.466
36	27.5	-.335	-.412	-.482	-.491	-.504
37	40.0	-.323	-.399	-.458	-.514	-.524
38	50.0	-.282	-.345	-.412	-.459	-.478
39	59.0	-.208	-.246	-.301	-.337	-.396
40	67.5	--	--	--	--	--
41	77.5	-.104	-.128	-.178	-.170	-.176
42	87.5	-.034	-.046	-.092	-.097	-.099
43	94.2	.012	.000	-.041	-.050	-.051
E44	2.0	-.565	-.658	-.620	-.570	-.473
45	6.0	-.437	-.527	-.544	-.534	-.484
46	15.0	-.373	-.455	-.492	-.488	-.476
47	27.5	-.337	-.413	-.477	-.500	-.506
48	40.0	-.323	-.391	-.474	-.505	-.537
49	50.0	-.281	-.339	-.419	-.457	-.496
50	50.0	-.232	-.265	-.357	-.409	-.454
51	67.5	-.167	-.191	-.198	-.206	-.354
52	77.5	-.101	-.117	-.130	-.138	-.146
53	88.5	.033	.022	.016	.016	-.003
54	95.5	.008	.001	.009	-.007	-.013
F55	2.0	--	--	--	--	--
56	6.0	-.417	-.495	-.499	-.482	-.429
57	15.0	-.356	-.423	-.458	-.455	-.439
58	27.5	-.330	-.397	-.446	-.457	-.473
59	40.0	-.319	-.385	-.443	-.473	-.486
60	50.0	-.294	-.356	-.408	-.433	-.462
61	59.0	-.264	-.322	-.384	-.407	-.433
62	67.5	-.212	-.254	-.339	-.379	-.414
63	86.5	-.040	-.056	-.068	-.082	-.129
64	94.6	.038	.021	.012	.009	-.013
G65	2.0	-.413	-.456	-.395	-.357	-.283
66	6.0	-.341	-.396	-.383	-.361	-.317
67	15.0	-.290	-.344	-.358	-.347	-.317
68	27.5	-.276	-.332	-.348	-.370	-.345
69	40.0	-.283	-.338	-.366	-.375	-.410
70	50.0	-.264	-.318	-.350	-.349	-.380
71	59.0	-.232	-.285	-.318	-.325	-.349
72	67.5	-.212	-.267	-.306	-.320	-.343
73	77.5	-.175	-.187	-.220	-.206	-.214
74	87.2	-.033	-.056	-.070	-.072	-.082
75	96.8	.028	.001	-.016	-.020	-.031
H76	2.0	-.283	-.305	-.263	-.243	-.199
77	6.0	-.267	-.297	-.282	-.271	-.239
78	15.0	-.234	-.248	-.240	-.223	-.222
79	27.5	-.224	-.239	-.232	-.216	-.194
80	40.0	-.227	-.244	-.245	-.230	-.205
81	50.0	-.221	-.243	-.250	-.230	-.232
82	59.0	-.194	-.216	-.228	-.211	-.189
83	67.5	-.178	-.203	-.225	-.217	-.193
84	88.3	-.148	-.179	-.202	-.209	-.216
85	94.2	-.078	-.102	-.121	-.128	-.135

LOWER SURFACE

Tube	Per-cent chord	0.60	0.80	0.89	0.925	0.96
86	3.0	--	--	--	--	--
87	10.0	--	--	--	--	--
88	25.0	--	--	--	--	--
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	-0.024	-0.027	-0.039	-0.028	-0.088
92	72.5	.000	-.001	-.003	.002	-.035
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	--	--	--	--	--
96	10.0	--	--	--	--	--
97	25.0	-.058	-.085	-.123	-.158	-.222
98	41.0	-.081	-.100	-.126	-.154	-.251
99	52.5	-.061	-.077	-.199	-.121	-.215
100	62.5	-.048	-.059	-.172	-.082	-.194
101	72.5	-.011	.002	-.005	-.005	-.121
102	86.3	.040	.033	.031	.035	-.056
103	94.5	.074	.071	.075	.084	.020
104	3.0	.321	.335	.328	.317	.298
105	10.0	.105	.110	.100	.091	.095
106	25.0	-.021	-.035	-.063	-.079	-.093
107	41.0	--	--	--	--	--
108	52.5	--	--	--	--	--
109	62.5	-.052	-.073	-.102	-.136	-.197
110	72.5	-.003	-.008	-.033	-.063	-.142
111	85.1	.027	.017	.002	-.028	-.107
112	94.6	.063	.056	.047	.019	-.086
113	3.0	.239	.243	.229	.221	.199
114	10.0	.095	.096	.087	.089	.068
115	25.0	-.009	-.015	-.028	-.034	-.047
116	41.0	-.047	-.060	-.078	-.085	-.096
117	52.5	-.054	-.067	-.087	-.097	-.107
118	62.5	--	--	--	--	--
119	72.5	-.009	-.019	-.038	-.051	-.065
120	87.4	.057	.043	.024	.006	.000
121	94.2	.047	.034	.006	-.009	-.022
122	3.0	.271	.292	.275	.273	.244
123	10.0	.107	.124	.110	.110	.089
124	25.0	.007	.009	-.004	-.005	-.022
125	41.0	-.033	-.035	-.048	-.050	-.065
126	52.5	-.025	-.029	-.043	-.045	-.057
127	62.5	-.022	-.030	-.048	-.056	-.078
128	72.5	-.009	-.020	-.044	-.057	-.102
129	78.0	.015	.008	-.004	-.012	-.042
130	85.3	.047	.043	.030	.027	.009
131	94.1	.050	.047	.040	.041	.024
132	3.0	--	--	--	--	--
133	10.0	.117	.129	.116	.115	.093
134	25.0	.018	.023	.009	.009	-.010
135	41.0	-.012	-.009	-.024	-.025	-.041
136	52.5	-.006	-.004	-.012	-.012	-.024
137	62.5	.024	.027	.019	.019	.006
138	72.5	.071	.094	.098	.100	.093
139	83.4	.147	.156	.158	.163	.157
140	94.0	.067	.061	.054	.052	.039
141	3.0	.261	.282	.270	.275	.259
142	10.0	.103	.114	.105	.107	.096
143	25.0	.021	.023	.012	.012	.002
144	41.0	-.002	-.003	-.013	-.011	-.022
145	52.5	.010	.009	.001	.002	-.008
146	62.5	.033	.035	.026	.026	.016
147	72.5	.080	.088	.084	.084	.079
148	84.0	.155	.160	.155	.160	.153
149	92.0	.089	.088	.082	.083	.076
150	3.0	.220	.244	.245	.257	.253
151	10.0	.090	.108	.112	.125	.128
152	25.0	-.029	-.014	-.026	-.023	-.020
153	41.0	-.048	-.061	-.080	-.084	-.101
154	52.5	-.033	-.046	-.065	-.068	-.081
155	62.5	.023	.019	.014	.017	.017
156	72.5	.113	.128	.135	.145	.151
157	84.9	.031	.033	.029	.030	.031

NACA

TABLE 78

$$\left[\Lambda = -45°,\ \delta_{a_n} = 9.8°,\ \alpha = 7°\right]$$

CONFIDENTIAL

UPPER SURFACE

Tube	Percent chord	Mach Number				
		0.60	0.80	0.89	0.925	0.96
A 1	2.0	--	--	--	--	--
2	6.0	--	--	--	--	--
3	15.0	--	--	--	--	--
4	27.5	--	--	--	--	--
5	40.0	--	--	--	--	--
6	50.0	--	--	--	--	--
7	59.0	-0.165	-0.282	-0.349	-0.436	-0.517
8	67.5	-.136	-.264	-.363	-.448	-.532
9	77.5	--	--	--	--	--
10	87.5	--	--	--	--	--
11	96.0	--	--	--	--	--
B12	2.0	--	--	--	--	--
13	6.0	--	--	--	--	--
14	15.0	--	--	--	--	--
15	27.5	-.668	-.646	-.626	-.657	-.712
16	40.0	-.611	-.648	-.640	-.667	-.729
17	50.0	-.501	-.604	-.621	-.653	-.726
18	59.0	-.392	-.521	-.572	-.628	-.694
19	67.5	-.298	-.447	-.518	-.580	-.658
20	77.5	-.202	-.361	-.444	-.511	-.589
21	88.0	-.120	-.235	-.303	-.383	-.409
22	95.3	--	--	--	--	--
C23	2.0	-.886	-.991	-.952	-.757	-.793
24	6.0	-.883	-.932	-.898	-.768	-.816
25	15.0	-.765	-.865	-.845	-.723	-.763
26	27.5	-.671	-.685	-.743	-.715	-.740
27	40.0	-.588	-.577	-.627	-.695	-.736
28	50.0	-.439	-.567	-.564	-.621	-.686
29	59.0	-.360	-.480	-.549	-.574	-.581
30	67.5	-.297	-.368	-.465	-.508	-.547
31	77.5	-.238	-.287	-.343	-.417	-.387
32	88.0	-.140	-.206	-.188	-.225	-.258
33	95.3	--	--	--	--	--
D34	2.0	-1.477	-1.184	-1.135	-1.184	-1.077
35	15.0	-.655	-1.010	-.994	-1.076	-.998
36	27.5	-.513	-.696	-.838	-1.003	-.972
37	40.0	-.481	-.503	-.575	-.832	-.939
38	50.0	-.401	-.422	-.451	-.559	-.866
39	59.0	-.285	-.395	-.320	-.323	-.413
40	67.5	--	--	--	--	--
41	77.5	-.167	-.204	-.176	-.135	-.176
42	87.5	-.108	-.150	-.117	-.084	-.077
43	94.2	-.078	-.114	-.113	-.093	-.083
E44	2.0	-1.431	-1.529	-1.336	-1.195	-1.119
45	6.0	-1.452	-1.472	-1.292	-1.159	-1.049
46	15.0	-1.124	-1.266	-1.196	-1.088	-.987
47	27.5	-.483	-.675	-1.105	-1.025	-.970
48	40.0	-.410	-.470	-.840	-.985	-.912
49	50.0	-.353	-.387	-.474	-.831	-.889
50	59.0	-.286	-.305	-.217	-.297	-.590
51	67.5	-.221	-.245	-.171	-.210	-.234
52	77.5	-.139	-.172	-.131	-.180	-.209
53	88.5	-.060	-.105	-.102	-.126	-.142
54	95.5	-.062	-.101	-.096	-.112	-.135
F55	2.0	--	--	--	--	--
56	6.0	-1.396	-1.472	-1.279	-1.247	-1.041
57	15.0	-.777	-1.178	-1.181	-1.067	-.970
58	27.5	-.595	-.705	-1.094	-1.024	-.940
59	49.0	-.438	-.535	-.679	-.931	-.904
60	50.0	-.348	-.416	-.461	-.504	-.755
61	59.0	-.287	-.330	-.359	-.409	-.441
62	67.5	-.226	-.266	-.271	-.316	-.332
63	86.5	-.083	-.122	-.146	-.166	-.180
64	94.5	-.062	-.090	-.129	-.155	-.158
G65	2.0	-1.389	-1.342	-1.297	-1.162	-1.049
66	6.0	-1.348	-1.322	-1.185	-1.094	-1.004
67	15.0	-.841	-1.031	-1.121	-.991	-.893
68	27.5	-.480	-.701	-.691	-.789	-.816
69	40.0	-.420	-.490	-.626	-.566	-.485
70	50.0	-.361	-.411	-.515	-.594	-.543
71	59.0	-.347	-.341	-.395	-.442	-.498
72	67.5	-.253	-.281	-.332	-.347	-.360
73	77.5	-.190	-.204	-.231	-.239	-.237
74	87.2	-.133	-.115	-.161	-.175	-.160
75	96.8	-.150	-.071	-.133	-.151	-.138
H76	2.0	-1.559	-1.363	-1.209	-1.079	-.971
77	6.0	-.684	-1.299	-1.070	-.986	-.897
78	15.0	-.518	-.510	-.672	-.732	-.723
79	27.5	-.407	-.441	-.447	-.470	-.401
80	40.0	-.356	-.394	-.367	-.367	-.378
81	50.0	-.324	-.367	-.347	-.319	-.302
82	59.0	-.293	-.336	-.310	-.280	-.252
83	67.5	-.286	-.328	-.315	-.278	-.237
84	88.3	-.303	-.369	-.419	-.455	-.470
85	94.2	-.221	-.279	-.303	-.296	-.285

LOWER SURFACE

Tube	Percent chord	Mach Number				
		0.60	0.80	0.89	0.925	0.96
86	3.0	--	--	--	--	--
87	10.0	--	--	--	--	--
88	25.0	--	--	--	--	--
89	41.0	--	--	--	--	--
90	52.5	--	--	--	--	--
91	62.5	-0.021	-0.058	-0.079	-0.136	-0.155
92	72.5	-.009	-.046	-.071	-.129	-.159
93	84.0	--	--	--	--	--
94	94.0	--	--	--	--	--
95	3.0	--	--	--	--	--
96	10.0	--	--	--	--	--
97	25.0	.040	.009	-.006	-.038	-.030
98	41.0	-.019	-.056	-.075	-.113	-.104
99	52.5	-.021	-.064	-.090	-.137	-.137
100	62.5	-.028	-.069	-.090	-.135	-.123
101	72.5	.004	-.038	-.054	-.099	-.095
102	86.3	.005	-.036	-.049	-.104	-.121
103	94.5	.011	-.037	-.051	-.104	-.117
104	3.0	.592	.695	.722	.702	.707
105	10.0	.326	.423	.447	.428	.436
106	25.0	.085	.161	.177	.156	.167
107	41.0	--	--	--	--	--
108	52.5	--	--	--	--	--
109	62.5	-.012	-.042	-.054	-.082	-.073
110	72.5	.017	-.016	-.024	-.053	-.040
111	85.1	.013	-.024	-.031	-.063	-.052
112	94.6	.020	-.020	-.026	-.061	-.053
113	3.0	.551	.581	.597	.574	.582
114	10.0	.382	.392	.410	.390	.398
115	25.0	.191	.201	.221	.202	.213
116	41.0	.092	.094	.112	.092	.105
117	52.5	.046	.042	.065	.038	.048
118	62.5	--	--	--	--	--
119	72.5	.046	.032	.042	.024	.033
120	87.4	.059	.032	.058	.047	.050
121	94.2	.023	.003	.004	.000	.005
122	3.0	.581	.586	.586	.585	.481
123	10.0	.382	.393	.391	.391	.388
124	25.0	.204	.221	.213	.213	.213
125	41.0	.108	.115	.117	.116	.116
126	52.5	.083	.087	.086	.085	.084
127	62.5	.057	.051	.047	.041	.036
128	72.5	.054	.043	.032	.022	.009
129	78.0	.060	.049	.044	.026	.025
130	85.3	.070	.064	.062	.058	.051
131	94.1	.048	.039	.039	.037	.031
132	3.0	--	--	--	--	--
133	10.0	.382	.396	.399	.399	.398
134	25.0	.218	.221	.225	.226	.227
135	41.0	.124	.135	.135	.137	.138
136	52.5	.094	.102	.103	.104	.106
137	62.5	.098	.108	.111	.113	.117
138	72.5	.134	.145	.151	.153	.157
139	83.4	.177	.190	.197	.199	.206
140	94.0	.057	.050	.040	.032	.031
141	3.0	.575	.592	.601	.605	.606
142	10.0	.368	.387	.396	.400	.403
143	25.0	.208	.224	.232	.238	.243
144	41.0	.131	.143	.149	.153	.158
145	52.5	.108	.117	.122	.126	.132
146	62.5	.099	.142	.113	.140	.152
147	72.5	.147	.167	.171	.174	.180
148	84.0	.193	.209	.215	.222	.229
149	92.0	.099	.104	.101	.104	.110
150	3.0	.568	.588	.607	.612	.617
151	10.0	.347	.574	.390	.401	.410
152	25.0	.043	.247	.257	.240	.253
153	41.0	.083	.088	.093	.099	.109
154	52.5	.060	.067	.060	.072	.079
155	62.5	.097	.108	.115	.123	.133
156	72.5	.178	.201	.220	.235	.251
157	84.9	.021	.039	.042	.053	.069

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